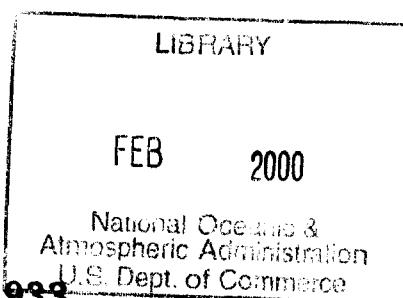


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INDIA WEATHER REVIEW, 1933.

ANNUAL SUMMARY

PART A



WEATHER AND RAINFALL OF 1933.

Summary.—The year was characterised by a good Monsoon and abundant rainfall over most of the country. The winter rains were deficient in northwest India, but were in excess from Bengal to Hyderabad. Thunderstorms were very numerous during the hot weather, causing an excess of rainfall over most of the country and unusually mild summer conditions in northern and central India. The monsoon commenced earlier than usual and was generally active without any prolonged breaks ; it gave abundant and well distributed rainfall, the only areas recording a defect in this season being the east United Provinces and east Central India. From October onwards, though the total rainfall was in excess in the Peninsula and as far north as the United Provinces, the time-distribution of rain in the south was not favourable.

I.—*The cold weather period, January and February.*—In January weather was drier than usual in northwest India despite the eastward passage of six western disturbances. There was, however, an excess of rainfall in northeast India during the month. The northeast monsoon was weak.

During February five western disturbances affected weather over India. The precipitation was in excess in west Rajputana, east Central India, the Central Provinces, Orissa, Chota Nagpur and Hyderabad.

Three well marked cold spells prevailed in January in northern and central India, the last one extending as far south as the north Deccan ; the first lasted from the 5th to 9th, the second from the 13th to 17th and the last one from the 24th to 29th.

The total rainfall during the cold weather period was in moderate to large excess in Bengal, Bihar and Orissa, the east Central Provinces and Hyderabad, in slight excess in the west Central Provinces and normal in the east United Provinces, Kashmir and Gujarat ; it was in slight to moderate defect in Assam, the west United Provinces, the east and north Punjab, the North-West Frontier Province, Baluchistan, west Rajputana, east Central India, Berar and the Bombay Deccan, and in large defect elsewhere.

During the cold weather period the mean minimum temperature was above normal in the Central Provinces ; elsewhere mean temperatures were roughly normal.

Cloud amount was above normal in Bengal, Bihar and Orissa, Central India, the Central Provinces, Sind, Rajputana, Gujarat and the Peninsula.

Humidity was in excess in Hyderabad and in defect in the United Provinces, Central India and northwest India.

II.—*The hot weather period, March to May.*—The chief features in the month of March were the passage of eight western disturbances which caused an excess of precipitation in Kashmir and the Punjab hills, and the unusual activity of thunderstorms in the interior of the Peninsula.

In April nine western disturbances were responsible for widespread thunderstorms and excess of rainfall over most of northern India. Thunderstorms were also active in the west of the Peninsula and caused excess of rainfall there.

During May five western disturbances affected weather over India. The Arabian Sea monsoon established itself in Malabar on the 22nd of May, about ten days earlier than usual, in the wake of a storm which formed off the west coast about the middle of the month ; it extended

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into the Konkan and the Bombay Deccan towards the end of the month. In the wake of a storm in the Bay of Bengal, the Bay monsoon established itself in Burma during the last week. The rainfall during the month was in excess over most of the country.

The summer conditions in northern and central India were unusually mild in both April and May; temperature was appreciably below normal frequently in April and during the first three weeks in May as a result of the cooling effects associated with thunderstorm rain.

The total rainfall during the hot weather period was in slight defect in the Bay Islands, Assam and the southwest Punjab; it was normal in Lower Burma, Bengal, Kashmir, the North-West Frontier Province, Baluchistan and Sind, in slight to moderate excess in Orissa, Chota Nagpur, the east and north Punjab and the north Madras coast and in large excess elsewhere.

During the hot weather period the mean maximum temperature was below normal in the United Provinces, the Punjab, Rajputana, Central India, the Central Provinces, Hyderabad and the Madras Presidency.

Cloud amount was above normal in Bihar and Orissa, the United Provinces, the Central Provinces, northwest India excepting Sind and in the Peninsula.

Humidity was in excess in the Central Provinces and Hyderabad and in defect in Assam and Sind.

III.—The southwest monsoon period, June to September.—The Arabian Sea monsoon was active on the west coast upto Ratnagiri and in the Deccan during the first week of *June*. Thereafter it was generally weak till the middle of the month when it strengthened in connection with the northward movement of a low pressure wave from Kanara to Kathiawar between the 18th and 21st, and also extended into Gujarat, Rajputana and the adjoining parts to the east of the e divisions. The monsoon extended into the east and north Punjab on the 20th and into Kashmir and the North-West Frontier Province on the 22nd. The Bay monsoon extended into Assam on the 4th and into the rest of northeast India after the 9th. The activity of the monsoon between the 10th and 20th was controlled by a depression which formed off the Circars-Orissa coast on the 12th and filled up over Orissa five days later; during this period the monsoon also extended into the north Madras coast and the east Central Provinces. During the last week the monsoon was fairly strong over most of the country under the influence of two land depressions, one over Bengal and the other over the west United Provinces.

During the first 12 days of *July* the activity of the monsoon was confined only to Malabar, Kanara, Hyderabad, Upper Burma and in the hills and sub-montane districts from Assam to the Punjab. The monsoon, however, strengthened thereafter and was generally active over the whole of the country during the rest of the month; this activity was associated with the westward or northwestward movement of four depressions from the Bay of Bengal through the central parts of the country.

In *August* the activity of the monsoon during the first two weeks was controlled by a storm and a depression which formed in the north Bay of Bengal and moved to northwest India through the central parts of the country. After the 12th the monsoon weakened in the Peninsula, in and around the central parts of the country and in Lower Burma, but fairly widespread thunderstorms occurred in south Madras on the next seven days. In connection with the movement of a low pressure wave along the west coast, the Arabian Sea monsoon strengthened again in the Peninsula after the 18th and was fairly active there till the end of the month. The monsoon also revived in the central parts of the country after the 20th under the influence of a depression which moved from Bihar to the southeast Punjab between the 21st and 28th.

A further strengthening of both the branches of the monsoon took place in the beginning of *September* and it was, on the whole, active over the country during the first three weeks. This activity was associated with the movement of one depression along the west coast from off Kanara to Kathiawar, one depression from the Bay of Bengal to the west Central Provinces through the north Madras coast and the east Central Provinces, and one depression and one storm from the Bay to the southeast Punjab through the central parts of the country. The monsoon began to weaken towards the end of the third week and it withdrew from the country by the 27th. After this a rapid transition to the northeast monsoon type of weather took place and fairly widespread thundershowers occurred in the south and the west of the Peninsula.

The total rainfall during the southwest monsoon season was in slight defect in the east United Provinces and east Central India; it was normal in Burma, Assam, Chota Nagpur, Bihar, southeast Madras, the Madras Deccan and the north Madras coast, in slight to moderate excess in the Bay Islands, Bengal, Orissa, the west United Provinces, Kashmir, Baluchistan, Rajputana, Gujarat, west Central India, the Central Provinces, the Konkan, the Bombay Deccan, Hyderabad, Mysore and Malabar, and in large excess in the Punjab, the North-West Frontier Province and Sind.

During the monsoon season the mean maximum temperature was below normal in the Punjab, Rajputana and Hyderabad.

Cloud amount was above normal in the United Provinces and in northwest India excepting Sind and Gujarat.

Humidity was in excess in the Punjab, the North-West Frontier Province and Hyderabad.

IV.—*The period of retreating southwest monsoon, October to December.*—During October one storm formed in the Bay of Bengal and one depression in the Arabian Sea. These two disturbances caused an excess of precipitation in the Peninsula, Central India and the United Provinces. Of the two western disturbances which passed across Kashmir, the first caused widespread rain there and in the North-West Frontier Province and the Punjab hills.

In November the northeast monsoon was weaker than usual in the Peninsula except when it was stimulated by a depression and a storm from the Bay of Bengal. In northern India also weather was drier than usual in spite of the passage of four western disturbances eastwards across Kashmir.

The precipitation over northwest India during December was in defect in spite of seven western disturbances which affected the weather there. The movement of a storm from the southwest Bay of Bengal into southeast Madras and of unsettled conditions associated with it along the west coast caused more than normal rainfall for the month in the Peninsula as far north as the central parts of the country.

The total rainfall during the retreating southwest monsoon period was in moderate to large excess in the United Provinces, east Rajputana, east Central India, Berar, the Konkan, the Bombay Deccan, Hyderabad, Mysore and the north Madras coast, in slight excess in Orissa, west Central India, the west Central Provinces and the Madras Deccan and normal in the Bay Islands, Chota Nagpur, Bihar, Malabar and southeast Madras; it was in slight to moderate defect in Lower and Upper Burma, Assam, Bengal, the east and north Punjab, Gujarat and the east Central Provinces and in large defect elsewhere.

During the retreating southwest monsoon period the mean maximum temperature was above normal in the North-West Frontier Province and the mean minimum in Sind.

Cloud amount was above normal in the North-West Frontier Province, the Bombay Presidency and Hyderabad.

V.—*Year.*—Taking the year as a whole, rainfall was normal in Burma, northeast India, the United Provinces and the North-West Frontier Province, in slight excess in Central India and the Madras Presidency and in moderate to large excess in the Punjab, Sind, Rajputana, the Bombay Presidency, the Central Provinces, Hyderabad and Mysore. Averaged over the plains of India, the year's rainfall was in excess by 12 per cent.

TABLE I—DIVISIONAL AND SUB-DIVISIONAL MEANS FOR THE YEAR 1933.

Division.	RAINFALL.*					DEPARTURE FROM NORMAL OF					RAINFALL.*					DEPARTURE FROM NORMAL OF				
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	8 hrs. L. M. T.			Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	8 hrs. L. M. T.				
							Vapour pressure.	Relative humidity.	Cloud.							Vapour pressure.	Relative humidity.	Cloud.		
1. Burma	8.76	9.14	-0.38	-4	+6.3	+0.3	-0.14	-2	+0.2	9. Rajputana	2.55	1.70	+0.85	+56	-1.9	-1.1	+0.03	0	+0.7	
2. Assam	6.93	7.42	-0.49	-7	+6.5	+0.3	-0.01	-1	+0.1	10. Bombay	4.31	3.11	+1.20	+39	-0.3	+0.3	-0.05	-1	+0.7	
3. Bengal	6.86	6.48	+0.38	+6	+0.4	0	-0.16	-1	+0.5	11. Central India	3.77	3.12	+0.65	+21	-6.3	-0.7	-0.066	-1	+0.2	
4. Bihar and Orissa.	4.79	4.34	+0.45	+10	-0.8	-0.4	-0.12	-1	+0.6	12. Central Provinces	4.97	3.90	+1.07	+27	-0.9	+0.4	+0.23	+3	+0.3	
5. United Provinces.	3.74	3.46	+0.28	+8	-1.1	-0.6	-0.01	+1	+0.7	13. Hyderabad	3.52	2.75	+0.77	+28	-2.1	+0.2	+0.18	+4	+0.9	
6. Punjab	2.48	1.61	+0.87	+54	-1.6	0	+0.21	+2	+0.6	14. Mysore	3.53	2.65	+0.88	+33	-0.3	+0.7	+0.14	+3	+0.7	
7. North-West Frontier Province	0.95	0.94	+0.01	+1	-0.2	-0.1	-0.05	+1	+0.6	15. Madras	4.66	4.64	+0.62	+15	-1.2	+0.3	-0.066	0	+0.9	
8. Sind	0.96	0.51	+0.45	+88	-0.8	+1.6	-0.04	-3	+0.2	Mean of India	4.71	4.21	+0.56	+12	-0.7	0	0	0	+0.5	
Sub-Division.																				
Sub-Division—contd.																				
1. Bay Islands	9.80	9.70	+0.10	+1	-1.1	+0.6	-0.29	-1	0	18. Rajputana East	2.93	2.02	+0.91	+45	-2.1	-1.3	+0.11	0	+0.9	
2. Lower Burma	11.91	12.62	-0.71	-6	+6.2	+0.2	-0.14	-1	+6.4	19. Gujarat	3.15	1.93	+1.22	+63	-0.1	+0.5	-0.14	-3	+0.9	
3. Upper Burma	4.26	4.17	+0.69	+2	+0.3	+0.3	-0.14	-3	-0.1	20. Central India, West	4.42	2.60	+1.82	+70	-1.3	-0.1	+0.25	-3	+0.1	
4. Assam	6.93	7.42	-0.49	-7	+0.5	+0.3	-0.01	-1	+0.1	21. Do. do, East	3.11	3.65	-0.54	-15	+0.7	-1.4	+0.13	+1	+0.4	
5. Bengal	6.86	6.48	+0.38	+6	+0.4	0	-0.16	-1	+0.5	22. Berar	3.69	2.68	+0.92	+34	-1.1	+1.1	+0.10	+1	-0.2	
6. Orissa	6.09	4.83	+1.26	+26	-1.1	-0.2	-0.06	+1	+0.8	23. Central Provinces, West	4.93	3.90	+1.63	+26	-0.9	+0.5	+0.19	+1	+0.3	
7. Chota Nagpur	4.77	4.31	+0.46	+11	-1.9	-1.0	-0.03	-1	+0.7	24. Do. do, East	5.71	4.51	+1.20	+27	-1.6	0	+0.36	+6	+0.6	
8. Bihar	4.26	4.15	+0.11	+3	+0.1	-0.2	-0.22	-3	+0.5	25. Konkan	9.88	8.08	+1.86	+22	+0.1	+0.3	+0.01	0	0	
9. United Provinces, East	3.10	3.47	-0.37	-11	-0.6	-0.2	-0.07	0	+0.5	26. Bombay Deccan	3.25	2.39	+0.86	+36	-0.8	+0.1	+0.08	+1	+0.6	
10. Do. West	4.28	3.46	+0.82	+24	-1.6	-1.1	-0.05	+1	+1.0	27. Hyderabad North	3.83	2.89	+0.94	+33	-1.6	+0.7	+0.02	+3	+1.1	
11. Punjab, East and North	3.63	2.21	+1.42	+64	-1.7	-0.2	+0.22	+2	+0.9	28. Do. South	3.22	2.62	+0.60	+23	-2.6	-0.2	+0.30	+5	+0.7	
12. Do. Southwest	0.95	0.81	+0.14	+17	-1.3	+0.3	+0.21	+1	+0.2	29. Mysore	3.53	2.65	+0.88	+33	-0.3	+0.7	+0.14	+3	+0.7	
13. Kashmir	2.50	2.28	+0.22	+10	-1.2	+0.7	+0.15	+4	+0.6	30. Malabar	12.69	8.79	+3.90	+44	-0.5	+0.3	+0.05	+1	+1.0	
14. North-West Frontier Province	0.95	0.94	+0.01	+1	-0.2	-0.1	-0.05	+1	+0.6	31. Madras, Southeast	3.02	3.29	-0.27	-8	-1.4	+0.5	-0.020	-1	+1.3	
15. Baluchistan	0.76	0.68	+0.08	+12	-0.5	+1.1	-0.09	+5	+0.7	32. Do. Deccan	2.46	2.14	+0.32	+15	-2.3	+0.5	+0.24	+2	+0.6	
16. Sind	0.96	0.51	+0.45	+88	-0.8	+1.0	-0.04	-3	+0.2	33. Do. Coast, North	3.52	3.38	+0.14	+4	-1.0	-0.1	-0.002	0	+0.3	
17. Rajputana West	1.75	1.06	+0.69	+65	-1.4	-0.8	-0.10	0	+0.3											

* Based on data from observatories only as in Monthly Weather Reports. For fuller data see tables XI to XV.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT

STATION.	Height of barometer above mean sea level, feet.	Pressure reduced to 32°F and standard gravity, inches.				Maximum temperature °F.				Minimum temperature °F.				Dry bulb temperature, °F.		Wet bulb temperature, °F.		Vapour pressure, inches.		Relative humidity %						
		Mean 8 hrs. L. M. T.		Departure from normal.		Mean 17 hrs. I. S. T.		Mean.		Departure from normal.		Highest.		Month.		Mean.		Departure from normal.		Lowest.		Month.		Mean.		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean 17 hrs. I. S. T.	
Bay Islands.																										
Port Blair	58	29.765	-0.016	29.699	85.9	-1.2	93		IV	77.5	+0.5	71		II	80.1	81.9	76.2	76.5	850	-0.029	838	83	-1	77		
Lower Burma—																										
Victoria Point	157	29.695	-0.007	29.630	85.4	-0.3	94		II	74.9	0	68		XII	78.7	80.3	74.9	75.1	811	-0.019	795	83	-1	78		
Mergui	66	29.786	-0.011	29.706	86.8	-0.6	96		III	72.9	+1.0	64		XII	77.2	81.3	74.8	76.3	827	-0.004	837	89	+2	80		
Tavoy	19	29.839	-0.011	29.758	89.2	+1.3	99		III	71.5	-0.2	57		XII	77.1	80.7	73.7	75.5	785	-0.020	807	84	-4	78		
Amherst	71	29.782	...	29.697	86.9	...	94		IV, V	74.0	...	63		XII	78.6	81.6	74.3	75.8	791	...	816	81	...	76		
Rangoon	18	29.820	-0.011	29.732	89.9	+0.6	103		IV	73.1	+0.1	61		I, II	77.3	82.4	73.9	75.2	792	-0.011	780	84	-3	71		
Bassein	27	29.807	-0.009	29.727	89.5	+1.3	101		III	72.3	-0.3	57		I	78.1	81.1	74.2	74.8	801	-0.023	780	82	-6	74		
Diamond Island	41	29.777	-0.020	29.708	84.8	-0.5	92		V	77.1	+1.4	70		IV	80.0	80.5	75.6	75.7	830	-0.002	826	81	+1	79		
Gwa	11	29.817	...	29.746	85.6	...	94		V	70.0	...	50		I	76.3	80.9	73.7	76.5	808	...	848	88	...	82		
Sunnoway*	28	...	...	...	...	...	...		...	...	...	...		...	...	...	...	...	...	...	...	...	...	...
Toungoo	158	29.684	-0.002	29.578	90.6	+0.7	104		III, V	70.9	+0.5	51		I	75.7	82.3	71.7	74.3	740	-0.040	742	82	-4	69		
Kvankpyn	18	29.781	-0.023	29.717	81.2	-3.5	96		V	73.5	+0.7	57		I	77.8	80.5	74.7	75.8	822	0	830	86	0	79		
Akyab	20	29.797	-0.010	29.716	85.3	-0.5	94		V	70.7	-1.0	50		I	76.1	79.5	72.9	74.6	781	-0.020	803	85	-4	78		
Upper Burma—																										
Minbu	168	29.654	-0.010	29.535	91.4	0	110		V	71.2	-0.8	48		II	77.3	84.7	70.9	73.3	691	-0.007	675	72	-3	58		
Yamethin	644	29.175	-0.008	29.067	90.7	-0.4	104		IV, V	69.9	+0.1	50		I, II	75.5	83.1	70.1	73.2	673	-0.028	684	74	-5	63		
Mandalay	250	29.561	-0.021	29.436	92.4	-0.4	105		IV, V	71.6	+0.3	51		II	76.0	85.3	71.0	73.8	708	+0.013	685	77	+3	57		
Monywa	280	29.550	-0.012	29.435	93.3	+1.7	110		V	71.1	-0.1	53		I, XII	76.5	85.7	70.0	73.5	670	-0.032	675	73	-4	56		
Lashio	2,802	27.057	+0.003	26.956	81.4	-0.2	94		V	60.8	+0.3	42		XII	66.1	72.4	62.4	65.0	533	-0.026	535	81	-5	67		
Bhamo	416	29.434	-0.013	29.320	86.1	+0.2	101		V	65.7	+0.8	43		XII	70.5	79.1	67.5	72.5	658	-0.020	718	86	-3	72		
Myitkyina	463	29.355	-0.004	29.237	85.7	+1.6	101		V	66.1	+0.5	46		I	71.0	78.2	67.7	71.3	657	+0.001	688	85	-2	72		
Assam—																										
Dibrugarh	348	29.484	-0.001	...	82.0	+1.2	97		VIII, IX	65.5	+0.3	44		I	69.8	...	67.5	...	653	-0.015	...	88	-4	...		
Sibsagar	333	29.517	+0.001	29.401	83.0	+1.7	99		VIII	66.2	+0.5	43		I	70.4	76.8	68.7	71.9	703	+0.005	740	92	-2	78		
Tezpur	258	29.586	+0.004	29.464	84.8	+1.6	99		VIII	67.5	+0.5	48		I	72.6	77.6	69.1	71.1	691	+0.011	690	88	-6	73		
Gauhati	196	29.627	-0.018	29.513	85.1	+0.6	100		VIII	67.2	+0.9	45		I	71.5	79.2	68.7	72.0	692	-0.007	703	87	-1	69		
Dibruri	115	29.693	-0.011	29.583	82.8	0	100		IV	68.5	+0.5	47		I	72.4	79.4	69.3	71.9	702	-0.001	700	84	-3	70		
Silchar	104	29.749	+0.010	29.629	87.3	+1.2	101		VII	66.9	-0.6	44		I	72.9	82.0	69.5	74.1	703	-0.021	727	84	-3	66		
Srimangal	69	29.755	+0.003	29.646	87.6	-0.2	101		III, IV	63.7	-1.4	37		I	72.7	81.2	69.8	73.5	717	-0.001	740	86	-2	69		
Bengal																										
Cox's Bazar	36	29.780	+0.001	29.706	84.9	-0.1	93		V	69.4	0	49		I	76.1	79.1	72.1	73.6	747	-0.031	760	81	-6	76		
Chittagong	87	29.733	-0.002	29.648	86.2	+1.3	98		III	69.5	+0.2	48		I	74.6	79.5	70.3	73.0	705	-0.050	735	80	-6	72		
Noakhali	22	29.783	+0.008	29.691	85.5	+0.9	95		III, V, IX	71.8	+0.5	51		I	75.8	81.0	72.6	74.2	779	+0.002	769	85	-2	71		
Comilla	37	29.772	-0.009	29.679	84.8	...	...		...	68.8	+0.1	44		I	75.4	81.3	71.9	74.5	757	-0.005	775	83	-3	71
Narayanganj	26	29.781	-0.003	29.687	87.1	+0.9	102		IV	70.3	-0.2	46		I	75.4	81.4	71.4	72.8	742	-0.027	706	81	-4	66		
Mymensingh	62	29.764	+0.009	29.659	86.4	+1.6	102		IV	68.3	-0.6	43		I	74.0	81.7	70.8	73.5	734	-0.003	734	85	-2	68		
Faridpur	27	29.777	+0.010	29.680	87.0	+1.6	103		III, IV	69.0	0	44		I	74.9	81.0	71.6	73.2	759	-0.016	731	84	-3	69		
Barisal	12	29.789	0	29.700	86.6	+0.8	98		III, IV	70.3	0	46		I	76.2	81.4	72.3	73.8	755	-0.039	744	83	-2	70		
Khulna	16	29.796	+0.002	29.699	86.8	+0.4	101		IV	70.5	+0.9	46		I	76.5	80.3	72.4	73.3	761	-0.004	742	81	+1	71		
Jessore	26	29.785	+0.013	29.684	87.3	...	103		IV	67.5	...	39		I	75.6	79.3	72.4	73.1	777	+0.006	760	85	+1	75		
Satkhira	...	29.783	-0.021	29.690	88.3	+0.3	103		IV	69.1	+0.1	43		I	75.9	81.9	72.5	74.3	775	-0.027	762	84	0	69		
Calcutta	21	29.777	+0.002	29.683	87.3	+0.4	101		IV	71.3	+0.6	48		I	74.9	81.8	71.8	73.3	764	-0.004	720	85	+2	66		
Saugor Island	10	29.782	-0.001	29.701	84.0	-1.4	95		III	78.2	-0.2	50		I	78.2	80.2	74.0	74.6	798	-0.029	797	81	-4	75		
Sandheads	8	29.768	-0.013	29.691	...	...	...		...	...	...								

8 HRS. (L. M. T.) AND 17 HRS. (I. S. T.) FOR THE YEAR 1933.

Cloud amount (tenths of sky.)				Rainfall, inches.				Number of rainy days (0·10" or more.)		Wind velocity, miles per hour.		Wind direction—Number of winds from																STATION.		
Mean hrs. L. M. T. 24	Departure from normal, 25	Mean 17 hrs. I. S. T. 26	Total of the year, 27	Departure from normal, 28	Heaviest fall in 24 hours, Month.	Total in the year, 29	Departure from normal, 30	Mean.	Departure from normal, 31	32	Mean.	33	34	8 hrs. L. M. T.								17 hrs. I. S. T.								53
N	NE	E	SE	S	SW	W	NW	Calm	N	NE	E	SE	S	SW	W	NW	Calm	N	NE	E	SE	S	SW	W	NW	Calm				
5·9	0	6·1	117·61	+1·19	6·45	IX	131	-7·6	4·1	-1·5	28	32	20	11	18	39	38	31	148	32	37	23	13	16	34	44	26	140	Bay Islands. Port Blair.	
7·6	+1·4	8·1	138·32	-28·14	3·88	VII	160	+3·3	4·7	-0·7	7	149	67	40	14	33	24	7	24	13	67	66	17	10	67	39	39	47	Victoria Point.	
2·9*	-1·6*	3·8*	167·77	+6·53	5·66	VII	154	+0·2	...	...	0	39	146	85	72	20	1	2	0	0	66	14	31	74	54	0	126	0	Mergui.
6·2	+2·0	6·6	194·52	-20·22	8·10	VI	142	-2·4	2·1	+0·9	6	14	4	10	15	7	0	0	309	7	11	5	15	24	18	1	5	279	Tavoy.	
6·3	...	5·7	192·53	+2·69	6·05	VII	133	-5·0	6·8	...	7	41	75	55	89	27	11	8	52	24	11	22	3	68	96	92	37	12	Atatherst.	
5·5	-0·4	5·9	103·70	+4·67	6·32	V	124	+1·7	3·0	-0·1	50	64	29	29	56	39	33	18	47	15	12	6	66	131	52	30	12	41	Rangoon.	
6·1	+1·4	7·2	98·06	-11·07	5·55	VI	118	-6·8	3·0	-0·3	21	29	9	25	30	28	60	33	68	25	13	7	18	28	22	70	77	118	12	Diamond Island
5·1	-0·1	5·0	143·04	+25·14	6·37	IX	112	-1·8	6·9	...	50	60	24	17	28	60	33	10	184	55	2	0	22	40	19	5	162	60	Gwa.	
4·8	...	5·3	154·26	...	5·68	VI	123	...	4·0	...	27	13	3	61	58	9	0	10	21	6	4	8	19	53	49	126	90	10	Sandoway.*	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Toungoo.	
5·7	+0·2	6·3	87·82	+4·86	2·96	VI	104	-10·7	2·9	+0·5	38	23	34	162	69	8	7	42	42	6	12	35	90	57	17	12	18	118	Kyaikpyu.	
5·1	-0·3	4·7	171·80	-15·99	7·97	V	121	-8·0	3·6	+1·4	34	93	19	103	22	12	9	15	58	5	4	0	28	29	56	117	53	73	Akyab.	
5·8	+0·8	5·1	169·40	-33·97	14·06	V	114	-11·5	6·9	...	62	144	41	40	18	14	7	18	21	6	4	8	19	53	49	126	90	10	Upper Burma—	
4·1	0	4·2	43·06	+7·68	2·40	X	71	+13·8	...	...	11	0	3	141	24	4	2	100	80	8	1	1	42	19	17	73	52	152	Minbu.
4·2	+0·3	4·5	34·94	-3·08	2·60	VII	64	+0·7	2·7	-0·8	39	1	0	29	180	4	0	10	102	12	2	1	13	141	11	3	2	180	Yamethin.	
4·3	+0·5	4·6	29·33	-3·83	2·65	VI	53	+2·2	2·0	-1·5	15	7	6	69	90	24	3	5	146	35	21	7	41	39	12	5	8	197	Mandalay.	
4·2	-0·9	4·2	28·00	-3·05	2·83	V	48	+3·9	2·0	-0·2	120	14	8	103	17	3	5	57	38	25	11	9	63	21	6	6	19	205	Monywa.	
5·5	-0·6	5·2	54·52	-7·35	2·67	VII	97	-3·7	1·9	-0·3	6	13	7	6	26	26	5	5	271	7	4	1	1	61	103	50	21	117	Lashio.	
6·4	+0·8	4·3	80·21	+8·20	7·81	VIII	87	-13·5	1·8	+0·3	72	61	19	14	18	7	13	20	141	47	66	19	12	29	8	16	12	156	Bhamo.	
5·3	-0·3	4·4	88·11	+9·12	3·55	V	101	-4·5	2·5	+0·7	72	88	40	31	33	14	8	14	65	37	30	10	13	45	28	16	13	173	Myitkyina.	
5·1	-0·6	...	105·06	-3·36	4·50	VIII	119	-15·5	2·5	+1·8	56	75	91	18	23	1	5	27	69	...	...	...	...	...	...	...	...	...	Assam—
8·0	+0·7	5·9	103·93	+7·94	4·70	VI	127	-1·5	2·8	...	34	113	54	23	21	39	11	24	46	61	103	26	14	20	34	15	26	66	66	Dibrugarh.
5·7	+0·7	4·6	67·88	-6·36	4·27	VII	98	-7·1	1·2	-1·1	5	57	134	19	6	9	12	3	320	1	35	62	5	0	4	15	4	239	Sibsagar.	
5·3	-0·9	4·9	48·62	-16·67	9·17	VII	73	-19·8	2·5	+1·2	19	79	67	64	26	12	8	13	77	4	20	47	31	18	15	27	26	171	Tezpur.	
4·0	-0·6	4·1	70·44	-26·06	3·72	IX	94	-0·3	3·3	-0·7	24	131	58	18	29	15	2	2	84	15	62	23	17	27	29	22	8	162	Gauhati.	
5·2	+0·1	4·7	116·11	-8·57	5·88	VI	112	-24·1	1·2	-0·3	6	40	60	19	4	3	2	8	223	7	8	16	12	6	38	45	25	208	Dhubri.	
4·7	+1·8	5·1	107·78	+9·25	8·72	VI	110	-13·7	...	...	22	50	88	110	31	3	0	6	55	8	14	9	47	61	94	31	7	94	Silchar.
5·5	+1·2	5·5	100·34	-45·43	5·00	VIII	104	-6·5	2·7	-0·4	15	16	36	70	27	13	0	2	180	15	5	4	45	53	41	28	36	138	Stimangal.	
4·9	+0·2	4·6	120·93	+18·20	9·50	VII	93	-2·0	5·7	+2·4	46	94	56	103	56	3	1	5	1	34	6	3	21	73	106	61	60	1	Chittagong.	
4·6	+0·8	4·3	79·91	-41·00	6·73	IX	93	-20·0	4·6	+1·7	87	46	27	65	62	31	11	35	1	29	9	5	68	103	39	42	5	Noakhali.		
5·0	+1·1	5·8	79·75	-10·56	4·25	IX	88	-12·2	...	...	27	26	22	72	71	16	3	13	115	12	7	9	39	82	28	13	17	158	Comilla.
4·9	-0·3	4·5	82·01	+8·19	4·96	VII	99	+5·7	3·4	+0·2	29	31	46	56	57	40	21	61	24	18	5	16	58	91	28	21	58	75	Narayanganj.	
4·6	-0·6	4·1	79·90	-13·05	6·74	VIII	96	-9·4	2·0	+0·4	5	29	36	123	4	7	6	12	143	0	11	14	70	7	6	24	7	226	Mymensingh.	
5·0	+1·2	5·1	78·26	+6·54	5·82	VII	93	-0·3	3·4	...	19	24	19	85	90	5	15	56	52	10	11	7	71	83	2	18	27	136	Faridpur.	
4·7	+0·1	4·8	90·41	+8·10	3·93	VIII	107	+3·8	3·5	+1·6	35	28	28	54	45	58	15	36	64	9	9	13	45	64	57	14	21	123	Barisal.	
5·5	+0·8	5·3	88·73	+22·67	4·13	VII	103	+6·0	...	...	36	36	40	49	51	46	29	44	34	14	7	19	58	63	36	14	19	135	Khulna.
5·5	+0·8	5·3	88·73	+22·67	4·13	IV	94	+6·0	3·0	+1·0	22	23	11	40	80	40	15	26	108	3	8	5	50	72	13	2	6	206	Jessore.	
3·8	-0·7	3·8	77·51	+11·48	4·73	VII	104	+6·0	3·0	+1·0	22	23	11	40	80	40	15	26	108	3	8	5	50	72	13	2	6	151	Satkhira.	
4·8	+1·3	5·0	99·15	+36·66	6·58	IX	112	+16·5	2·4	...	57	28	44	21	60	58	22	28	57	18	10	28	32	63	46	4	13	151	Calcutta.	
4·7	+0·2	4·7	81·86	+19·32	5·78	VI	103	+17·8	2·7	-0·5	21	16	33	39	30	86	14	54	72	17	4	17	32	73	58	13	61	90	Saugor Island	
6·0	...	5·9	108·23	+38·82	12·66	X	94</																							

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT

STATION.	Height of bar. cistern above mean sea-level in feet.	Pressure reduced to 32° F. and standard gravity, inches.				Maximum temperature °F.				Minimum temperature °F.				Dry bulb temperature °F.			Wet bulb temperature °F.			Vapour pressure, inches.			Relative humidity %								
		Mean 8 hrs. L. M. T.		Departure from normal.		Mean 17 hrs. I. S. T.		Mean.		Departure from normal.		Highest.		Month.		Mean.		Departure from normal.		Lowest.		Month.		Mean.		Departure from normal.		Mean.			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean 17 hrs. I. S. T.	Departure from normal.	Mean 8 hrs. L. M. T.	Mean 17 hrs. I. S. T.	Mean 8 hrs. L. M. T.	Mean 17 hrs. I. S. T.	Mean 8 hrs. L. M. T.
Orissa—																															
Balasore . . .	65	29°731	-0°12	29°641	87°9	-0°8	106			VI	70°7	+0°2	50		I	75°3	80°8	71°7	74°1	745	0	764	80	-1	72						
Chandbali . . .	20	29°782	0	29°691	87°7	-1°0	106			VI	71°3	-0°2	51		I	76°4	81°8	72°8	74°1	781	...	751	83	-12	68						
Puri . . .	20	29°779	+0°04	29°692	...	...	...	...	...	VI	75°0	+0°4	59		I	78°6	81°7	74°2	75°8	804	-0°17	821	80	-3	75						
Cuttack . . .	87	29°719	+0°02	29°621	90°4	-0°5	106			IV, VI	71°4	-1°1	54		I, II, XII	76°7	84°1	72°3	74°1	753	+0°03	715	80	-11	72						
Angul . . .	455	29°341	+0°06	29°239	88°7	-1°2	106			IV	69°7	+0°2	50		I	74°5	84°2	69°7	71°9	679	-0°14	623	79	-3	55						
Sambalpur . . .	486	29°312	+0°01	29°200	89°5	-1°0	106			IV, V, VI	68°9	-0°9	46		I	74°3	85°7	68°9	71°5	650	-0°04	589	76	-5	50						
Chota Nagpur—																															
Jamshedpur . . .	423	29°359	...	...	89°3	...	108			VI	67°8	...	43		I	73°3	...	68°2	...	630	...	77	...	...	...			
Chaitbasa . . .	733	29°053	+0°10	28°945	...	...	...	...	...	VI	67°8	-0°2	45		I	74°2	83°0	68°7	72°3	652	+0°14	661	76	-1	61						
Ranchi . . .	2,152	27°644	-0°09	27°561	82°7	-1°5	101			VI	63°5	-2°0	41		I	71°8	77°2	63°8	65°5	515	-0°14	503	63	-3	54						
Hazaribagh . . .	2,006	27°785	+0°14	27°707	83°1	-1°5	102			VI	63°5	-2°2	36		I	71°3	77°6	64°1	65°7	528	+0°16	513	66	-3	55						
Daltonganj . . .	725	29°065	+0°08	28°955	87°4	-2°1	108			V, VI	65°9	+0°6	36		I	73°1	83°6	65°5	68°5	568	-0°19	517	69	-4	45						
Bihar—																															
Purnea . . .	124	29°667	-0°13	29°559	87°2	+0°7	104			V	65°5	-0°8	35		I	72°4	81°7	68°0	71°8	663	+0°54	667	79	-6	62						
Darbhanga . . .	177	29°627	+0°11	29°517	86°1	+0°1	106			V	66°4	-1°4	34		I	71°1	81°2	68°7	72°4	666	-0°16	651	75	-5	60						
Pusa . . .	188	29°615	+0°12	...	88°0	0	109			V	67°1	+1°4	40		I	73°2	...	68°5	...	675	+0°07	78	-1	...	...				
Motihari . . .	221	29°371	-0°01	29°473	...	...	...	...	...	VI	65°8	+0°8	38		I	72°2	82°2	67°6	71°2	651	-0°26	638	79	-4	59						
Fatna . . .	173	29°615	+0°17	29°512	87°6	+0°3	110			V	68°8	+0°2	38		I	74°5	83°9	67°9	70°7	629	-0°27	606	70	-2	52						
Gaya . . .	372	29°430	+0°17	29°331	89°6	-0°1	111			V, VI	69°4	+0°5	43		I	70°2	85°2	67°4	70°5	587	-0°48	567	63	-7	47						
Naya Dumka . . .	489	29°307	+0°09	29°202	87°3	-0°4	109			VI	66°8	-1°0	40		I	73°7	80°8	67°9	69°7	634	-0°14	597	73	0	57						
Sabour . . .	122	29°673	...	29°571	86°9	...	108			V	65°3	...	34		I	72°3	81°9	67°7	71°2	656	...	644	79	...	59						
United Provinces East—																															
Gorakhpur . . .	257	29°538	+0°12	29°441	87°5	-0°2	109			V	66°2	-0°5	35		I	72°6	82°9	67°3	71°1	637	-0°03	624	76	+1	57						
Benares . . .	250	29°533	-0°01	29°432	88°9	-0°6	110			V, VI	66°9	+0°3	37		I	74°3	84°8	66°8	70°1	595	-0°26	561	66	-5	48						
Allahabad . . .	309	29°472	-0°02	29°370	89°5	-0°6	111			V, VI	66°4	-0°4	36		I	73°5	85°8	65°5	69°3	559	-0°17	519	65	0	43						
Fatehpur . . .	375	29°414	...	28°305	89°0	...	111			V, VI	66°2	...	35		I	75°3	84°8	67°7	71°7	618	...	632	66	...	52						
Cawnpore . . .	416	29°363	-0°01	29°277	89°6	-0°3	112			V, VI	66°1	-0°3	37		I	72°5	86°4	65°6	70°3	583	+0°14	547	69	+3	44						
Lucknow . . .	371	29°412	+0°02	29°308	88°9	-0°8	112			V	66°4	+0°7	36		I	72°2	85°3	65°9	70°0	594	+0°12	553	71	+3	46						
Brajgarh . . .	407	29°365	-0°02	29°269	86°7	-1°4	109			V	65°3	-0°4	35		I	72°2	82°9	66°1	70°1	600	-0°18	590	72	-1	52						
Gonda . . .	360	29°429	...	29°334	87°3	...	109			V	65°4	...	34		I	71°4	82°5	66°0	70°2	602	...	599	75	...	54						
United Provinces West—																															
Jhansi . . .	824	28°963	-0°10	28°864	89°5	-1°7	113			V	66°3	-2°7	36		I	74°6	85°5	64°6	67°7	512	-0°17	456	56	-2	38						
Agra . . .	554	29°225	-0°06	29°131	87°9	-3°2	112			VI	63°0	-0°8	31		I	70°8	84°5	63°1	67°5	524	+0°21	467	64	+5	39						
Mainpuri . . .	518	29°259	-0°01	29°161	89°1	-1°0	113			VI	...	...	...		...	73°0	84°8	64°8	68°9	552	+0°08	520	63	-2	43						
Aligarh . . .	615	29°175	...	29°080	86°6	...	111			V	...	...	...		...	71°1	82°6	63°5	68°3	532	...	514	64	...	43						
Bareilly . . .	508	29°223	+0°20	29°133	87°2	-0°3	110			V, VI	65°1	+0°4	37		I	71°0	83°2	65°5	70°1	595	+0°11	592	74	+1	51						
Roorkee . . .	899	28°881	+0°06	28°792	84°0	-2°4	109			VI	61°9	-0°3	33		I	68°5	80°5	62°8	67°5	538	+0°10	529	73	+2	50						
Dehra Dun . . .	2,239	27°555	+0°06	...	80°5	-0°7	102			VI	59°2	-1°5	36		I	63°5	...	58°3	...	458	-0°14	...	72	+2	43						
Punjab East and North—																															
Delhi . . .	719	29°062	+0°04	28°970	85°8	...	110			VI</																					

8 HRS. (L. M. T.) AND 17 HRS. (I. S. T.) FOR THE YEAR 1933.

Cloud amount (tenths of sky.)		Rainfall, inches.		Number of rainy days. (0-10" or more.)		Wind velocity, miles per hour.		Wind direction—Number of winds from																STATION.					
Mean hrs. L. M. T.	Departure from normal.	Total of the year.	Departure from normal.	Heaviest fall in 24 hours.	Month.	Total in the year.	Departure from normal.	Mean.	Departure from normal.	8 hrs. L. M. T.								17 hrs. I. S. T.											
24	25	26	27	28	29	30	31	32	33	N	NE	E	SE	S	SW	W	NW	Calm	N	NE	E	SE	S	SW	W	NW	Calm		
5·7	+2·1	6·5	78·89	+10·16	4·51	X	92	+14·0	4·3	+1·4	68	43	17	17	54	85	13	62	6	13	16	18	96	114	28	7	14	59	Orissa—
4·1	...	4·1	78·11	+17·13	5·25	VIII	86	+14·4	5·8	...	73	48	11	13	52	72	55	65	6	7	46	71	98	87	26	19	12	5	Balasore.
4·3	-0·2	4·7	58·48	+3·92	6·20	VIII	62	+0·3	11·0	+2·6	105	55	5	2	45	85	36	14	18	21	29	19	50	128	99	18	2	8	Puri.
4·6	-0·1	5·5	59·86	+0·59	12·63	VIII	84	+9·1	2·5	+0·5	8	12	11	4	10	66	59	15	180	3	6	14	13	36	70	25	7	191	Cuttack.
4·7	-0·6	5·5	65·01	+17·18	4·82	VI	79	+6·7	3·1	-1·0	20	28	30	13	28	125	85	6	40	41	38	50	37	34	55	58	12	Angul.	
5·0	-0·9	5·6	73·13	+7·40	5·09	VII	85	+11·1	3·0	+0·1	49	87	31	16	16	85	12	26	43	34	41	11	17	24	81	51	61	45	Sambalpur.
4·7	...	...	64·49	...	3·64	VIII	92	...	2·5	...	1	5	33	17	2	19	75	47	166	...	...	...	...	...	...	...	...	...	Chota Nagpur—
5·5	-1·8	5·9	65·87	+14·08	3·70	VII	86	+11·6	2·2	+0·6	9	19	26	4	15	118	28	8	138	10	21	38	19	17	67	31	24	138	Jamshedpur.
4·5	-0·6	4·7	62·18	+4·97	1·91	V	96	+15·8	2·8	...	25	15	23	16	50	53	24	41	118	41	22	32	32	32	20	26	68	89	Ranchi.
4·4	-0·1	4·7	57·03	+3·75	3·81	VII	30	+14·8	6·1	...	17	18	26	33	37	55	67	82	30	64	20	30	32	19	11	41	142	6	Hazaribagh.
3·3	-0·5	3·5	43·94	+0·71	3·09	VIII	65	+3·5	2·8	+0·1	15	27	77	24	13	32	33	10	134	60	23	38	17	13	25	84	65	40	Daltonganj.
3·7	0	2·9	60·79	+1·49	5·20	VIII	73	+2·2	2·0	-0·1	12	43	100	8	1	61	39	4	97	7	23	87	7	5	33	58	11	134	Bihar—
3·9	-0·7	3·8	52·49	+2·22	3·93	VII	59	0	2·8	...	1	10	136	3	0	1	63	4	137	2	2	74	3	0	0	68	3	213	Purnea.
3·7	-0·4	...	55·50	+6·95	4·87	VII	61	+2·9	3·0	+0·3	10	37	95	28	16	66	44	8	60	...	...	...	...	...	...	...	...	...	Purba.
4·1	+1·3	3·7	62·77	+7·91	7·05	VII	64	+5·1	3·1	...	9	37	111	31	18	22	48	24	65	9	22	61	26	12	22	56	47	110	Motihari.
3·9	-0·3	4·0	50·20	+1·07	3·80	VI	61	+5·0	3·5	+0·4	9	25	80	22	13	71	57	29	59	16	26	60	15	2	21	68	60	97	Patna.
3·3	-0·1	3·4	46·92	+0·56	3·31	VIII	68	+10·0	3·1	+0·5	5	36	47	64	46	123	27	8	9	45	48	38	17	13	68	57	60	19	Gaya.
3·9	-0·7	3·9	59·81	+2·72	3·33	VIII	95	+17·1	2·3	+0·6	3	5	5	8	1	2	0	9	332	0	4	3	3	1	1	4	19	330	Naya Dumka.
4·2	...	4·2	42·68	...	2·98	VIII	70	...	...	...	11	38	53	53	34	83	44	9	40	41	36	51	33	9	8	60	84	43	Satour.
3·9	-1·3	3·9	56·29	+6·10	5·10	VI	67	+10·4	2·2	...	3	22	121	16	7	22	63	15	96	4	18	67	10	8	10	66	38	144	United Provinces, East—
4·1	+0·8	4·1	33·19	+7·36	2·16	VIII	59	+6·3	5·3	+2·8	12	48	37	29	33	127	54	9	16	33	63	32	14	5	26	85	100	7	Gorakhpur.
4·0	-0·4	4·4	29·69	+9·37	2·28	VIII	49	0	5·0	+1·8	8	21	73	18	25	64	89	8	59	43	41	50	5	10	20	94	69	33	Benares.
2·9	...	3·2	38·14	...	5·00	VII	45	...	2·7	...	6	42	31	43	17	45	57	44	80	18	47	16	14	7	15	18	83	147	Allahabad.
2·0	-0·2	2·1	30·78	+5·14	2·71	X	48	+3·5	2·0	-0·4	26	14	43	34	27	34	75	17	95	42	34	25	18	16	18	84	82	46	Fatehpur.
3·4	+0·3	3·5	25·60	+12·97	2·93	IX	48	-0·3	2·8	+0·9	14	15	81	15	16	38	62	31	93	15	20	53	10	12	39	58	53	105	Cawnpore.
2·8	+0·4	2·6	47·90	+2·60	4·87	IX	61	+11·3	3·3	+1·2	10	4	124	6	8	19	72	14	108	13	0	84	2	11	20	63	28	144	Lucknow.
3·7	...	3·7	46·11	...	5·71	X	60	...	3·2	...	18	12	87	47	8	7	75	59	52	16	20	49	31	15	9	78	67	80	Bahraich.
3·7	...	3·7	46·11	...	5·71	X	60	...	3·2	...	18	12	87	47	8	7	75	59	52	16	20	49	31	15	9	78	67	80	Gonda.
3·8	+1·5	4·3	41·31	+5·14	2·95	VII	56	+9·4	2·3	-0·7	9	22	20	10	4	101	56	24	119	49	55	16	5	3	37	45	66	89	Jhansi.
3·6	+0·9	4·2	37·48	+10·58	3·34	VI	49	+11·0	4·0	+0·7	20	17	50	30	7	62	111	32	36	44	32	34	17	12	33	60	108	25	Agra.
4·0	+1·1	4·5	34·55	+7·48	3·23	VI	52	+13·4	2·6	+1·0	17	20	51	48	15	15	78	68	53	20	24	28	22	9	6	81	87	88	Mainpuri.
2·8	...	3·1	52·87	...	5·68	VI	56	...	4·3	...	56	22	37	38	25	25	76	42	44	78	23	28	20	17	22	42	91	44	Alligarh.
3·3	+0·2	3·7	49·49	+5·82	6·44	VIII	56	+9·7	2·2	+0·4	16	15	74	40	3	32	44	41	100	13	14	32	24	4	22	90	66	100	Bareilly.
4·0	+1·2	4·0	44·87	+2·89	5·16	VII	60	+12·3	2·6	+0·7	7	19	6	132	3	9	0	67	122	4	11	14	55	4	15	0	162	100	Roorkee.
4·9	+1·0	...	109·42	+26·26	8·40	VIII	89	+8·7	1·4	-0·1	28	63	17	17	2	20	25	10	183	...	...	...	...	...	...	...	...	...	Dehra Dun.
3·8	+0·9	4·5	60·36	+33·52	7·02	VIII	54	+18·0	2·9	+0·2	8	12	37	31	12	59	84	27	95	10	13	35	26	2	10	95	84	90	Punjab, East and North—
2·9	...	...	28·45	...	6·46	IX	43	...	...	...	23	33	13	31	17	25	46	9	168	...	...	...	...	...	...	...	...	...	Delhi.
2·8	+0·3	3·3	24·94	+10·47	2·94	IX	38	+14·2	3·7	+0·2	22	17	38	51	33	61	52	29	62	71	23	35	25	16	21	41	69	59	Hisar.
4·3	+1·4	4·3	80·62	+50·13	7·57	IX	59	+16·6	3·0	+0·6	24	4	52	67	2	7	30	54	125	21	10	24	39	7	5	79	100	80	Ambala.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Patiala.*	
3·5	+0·8	2·7	36·07	+7·36	6·14	VIII	49	+11·7	1·7	+0·4	8	28	22	46	31	22	29	33	146	14	24	14	13	12	10	21	64	193	L

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT

STATION.	Height of bar. cistern above mean sea level in feet.	Pressure reduced to 32°F and standard gravity, inches.				Maximum temperature °F.				Minimum temperature °F.				Dry bulb temperature °F.		Wet bulb temperature °F.		Vapour pressure, inches.		Relative humidity, %.			
		Mean 8 hrs. L. M. T.	Departure from normal.	Mean 17 hrs. I. S. T.	Mean	Departure from normal.	Highest.	Month.	Mean	Departure from normal.	Lowest.	Month.	Mean 8 hrs. L. M. T.	Mean 17 hrs. I. S. T.	Mean 8 hrs. L. M. T.	Mean 17 hrs. I. S. T.	Mean 8 hrs. L. M. T.	Mean 17 hrs. I. S. T.	Mean 8 hrs. L. M. T.	Mean 17 hrs. I. S. T.	Mean 8 hrs. L. M. T.	Mean 17 hrs. I. S. T.	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Punjab Southwest—																							
Khushab . . .	612	29.164	-007	29.085	87.7	-1.8	116	VI	63.5	-0.2	31	I	70.0	85.9	60.8	66.6	472	+017	431	57	+2	32	
Layalpur . . .	605	29.167	+006	...	87.6	-1.0	113	V, VI	63.1	+1.0	30	I	71.3	...	62.3	...	494	+012	...	59	-4	...	
Montgomery . . .	558	29.211	-002	29.130	88.4	-2.7	115	V, VI	64.0	-0.2	31	I	70.0	86.1	62.7	...	519	+034	...	66	-7	...	
Multan . . .	426	29.349	+003	29.264	91.6	-0.1	119	VI	66.1	+0.2	34	I	72.9	88.5	64.3	70.5	543	+024	540	61	+1	39	
Bahawalpur . . .	384	29.398	...	...	90.7	...	116	V	63.8	...	31	I	71.9	...	62.9	...	516	...	...	60	...	...
Khanpur . . .	297	29.498	...	29.397	93.0	...	118	VI	64.0	...	29	I	71.6	90.9	62.6	68.9	504	...	441	59	...	28	
Kashmir—																							
Srinagar . . .	5,204	24.857	+002	24.779	67.5	-0.2	99	VII	44.5	+0.8	14	I	50.4	63.5	47.9	54.0	348	+005	343	86	-1	56	
Gulmarg *	8,569
Muzaffarabad . . .	2,343
Dras . . .	10,059	20.786	+015	...	47.5	-1.9	85	VII	22.6	+1.6	-31	I	31.0	...	27.6	...	162	+007	...	73	-3	...	
Leh . . .	11,503	19.680	+007	...	53.8	-1.6	84	VII	29.1	-0.5	-15	I	35.8	...	30.7	...	161	+029	...	67	-16	...	
Skardu . . .	7,505	22.838	-007	...	62.9	+0.3	100	VII, VIII	41.0	+0.5	-1	I	48.0	...	41.2	...	223	+005	...	66	0	...	
Gilgit . . .	4,890	...	...	...	71.5	-1.5	105	VII	52.7	+0.4	22	I	57.7	...	50.1	...	320	+041	...	58	-6	...
N.W.F. Province—																							
Peshawar . . .	1,164	28.635	-008	28.544	85.1	+0.4	116	VI	60.9	+0.6	30	I	68.5	82.0	59.7	65.3	449	+005	441	59	-7	38	
Miranshah . . .	3,040	26.561	...	...	80.0	...	110	VI	58.5	...	28		66.7	...	54.6	...	327	...	...	44	...	...
D.I. Khan . . .	570	29.221	+019	29.127	89.1	-0.6	118	VI	61.9	-0.7	29	I	71.0	85.8	62.5	69.8	518	+004	554	60	-5	41	
†Baluchistan—																							
Fort Sandeman . . .	4,614	25.340	-005	25.267	78.7	-1.8	111	VII	53.1	-0.3	22	I	57.6	76.3	48.7	54.2	286	+009	187	51	-3	19	
Sibi . . .	441	29.325	...	...	93.6	...	119	VI, VII	67.5	...	33	I	75.7	...	62.6	...	447	...	...	45	...	...
Quetta . . .	5,405	24.632	-030	24.573	74.5	+1.1	103	VI, VII	46.1	-1.0	17	I	52.1	72.1	44.4	50.8	242	+010	159	56	+11	21	
Chaman . . .	4,311	25.606	-026	25.556	78.5	+0.3	107	VI, VII	56.3	+1.8	24	I	62.1	76.2	50.1	56.8	249	+008	263	45	+1	31	
Kalat . . .	6,495	23.687	-007	...	71.1	-1.8	99	VI	40.7	+3.5	11	I	48.3	...	42.5	...	249	+015	...	65	-10	...	
Dalbandin . . .	2,772	26.998	-044	26.950	86.9	-0.7	115	VI	54.4	-0.2	24	II	62.3	85.1	51.4	64.2	273	+022	367	49	+4	31	
Nokkundi*	2,282
Las Bela . . .	292	29.519	...	29.407	93.7	...	113	V	64.5	...	31	I	75.5	90.8	68.4	74.2	637	...	652	67	...	43	
Sind—																							
Jacobabad . . .	186	29.581	-008	29.475	93.8	-1.9	119	V, VI	67.2	+1.5	34	I	74.9	92.1	64.5	70.2	522	+018	478	55	-3	30	
Sukkur . . .	221	29.558	...	...	91.9	...	116	V, VI	67.1	...	36	I	71.6	...	64.2	...	548	...	...	64	...	...
Chhor . . .	19	29.779	...	29.669	95.7	...	112	IV	65.1	...	35	I	75.8	92.1	68.3	75.4	647	...	688	65	...	43	
Hyderabad . . .	96	29.704	+009	29.610	92.8	-0.5	111	V	69.2	+1.0	41	I	75.9	90.4	66.0	69.6	546	+001	474	56	-4	31	
Manora (Karachi) . . .	13	29.799	-008	29.720	84.0	-0.2	98	IX	72.0	+0.6	51	I	75.8	82.3	70.1	73.9	690	+005	742	73	-1	65	
Badin . . .	36	29.767	...	...	92.3	...	109	IV	67.9	...	40	I	75.0	...	67.4	...	605	...	...	65	...	...
Naushahro . . .	135	...	...	...	95.5	...	120	V	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rajputana West—																							
Bikaner . . .	762	29.033	+026	28.933	90.1	-2.0	112	V, VI	67.1	-1.8	34	I	72.6	88.0	61.4	66.0	444	+048	372	49	-4	27	
Joihpur . . .	780	29.011	-007	28.909	91.3	-1.1	111	V	67.9	+0.1	40	I	73.8	89.3	63.3	68.1	479	+035	427	52	+4	30	
Barmer . . .	631	29.145	...	29.041	...	...	...	...	68.0	...	40	I	73.7	89.5	65.6	72.1	555	...	566	62	...	41
Rajputana East—																							
Jaipur . . .	1,481	28.378	+001	28.284	88.5	-1.6	114	V	64.2	-0.2	35	I	73.8	84.8	63.5	66.7	487	+014	442	55	+2	36	
Ajmer . . .	1,611	28.196	-004	28.106	86.3	-2.2	107	V	63.9	-1.3	33	I	71.1	82.0	61.5	65.6	458	+035	428	55	-7	37	
Kotah . . .	843	28.961	0	28.853	90.1	-2.0	113	V	68.1	-1.9	37	I	75.5	87.4	65.2	69.3	522	+047	488	56	+6	38	
Jhalrapatan . . .	1,053	28.746	...	28.641	87.6	...	111	V	65.7	...	39	I	73.3	85.6	64.9	69.4	544	...	523	62	...	43	

* Data not available for the whole year.

† Stations in Baluchistan excluding Sibi and Las Bela record observations at 7 hrs. (L. M. T.)

8 HRS. (L. M. T.) AND 17 HRS. (I. S. T.) FOR THE YEAR 1933.

Cloud amount (tenths of sky).		Rainfall, inches.						Number of rainy days. (0-10 or more)		Wind velocity, miles per hour.		Wind direction—Number of winds from																STATION.	
Mean 8 hrs. L. M. T.	Departure from normal.	Total of the year	Departure from normal.	Heaviest fall in 24 hours.	Month.	Total	in the year.	Departure from normal.	Mean.	Departure from normal.	N	NE	E	SE	S	SW	W	NW	Calm	N	NE	E	SE	S	SW	W	NW	Calm	STATION.
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	
2·6	+0·3	3·3	21·43	+3·654	2·90	VIII	25	+1·1	4·8	+0·9	26	99	73	17	29	34	17	13	57	21	53	89	61	55	34	31	10	11	Punjab, South west—
3·3	+0·2	...	14·57	+1·39	3·49	VIII	25	+3·5	2·5	+0·4	11	44	42	51	17	63	8	34	95	...	...	...	...	...	...	...	...	...	Khusab,
1·7	+0·4	2·1	13·39	+2·83	1·60	VIII	24	+5·9	2·1	+2·2	8	31	27	53	34	31	9	34	138	21	32	31	24	15	42	28	66	106	
2·6	+0·9	3·0	6·74	+0·46	1·95	IX	15	+2·2	2·8	+1·4	61	29	10	36	98	27	7	31	66	62	38	18	27	97	34	13	21	55	
1·8	...	...	4·89	+0·96	2·15	VIII	10	+0·7	3·2	...	25	54	37	40	29	87	22	7	64	...	...	...	...	...	...	...	...	Bahawalpur,	
1·8	...	2·1	7·60	+0·95	2·41	VII	12	+2·7	5·6	...	72	37	45	6	34	113	14	7	37	71	16	25	5	17	85	56	23	47	
																													Khanpur.
																													Kashmir—
5·4	+0·8	5·3	28·42	+2·55	1·80	III	65	+6·4	2·4	0	21	12	18	51	26	18	26	42	151	38	19	6	18	24	10	48	63	138	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Srinagar,	
3·4	+0·1	...	54·37	+2·19	3·45	VII	77	+1·0	2·2	+0·8	8	6	2	28	144	119	0	0	57	...	...	...	...	...	...	...	...	...	Gulmarg,*
4·6	+0·6	...	27·43	+5·91	2·15	III	56	+0·9	3·0	+0·4	0	3	0	1	0	7	2	8	344	...	...	...	...	...	...	...	...	...	Muzaffarabad,
5·2	+0·5	...	9·07	+5·89	2·02	VIII	25	+15·4	1·7	0	24	19	15	9	69	14	9	1	205	...	...	...	...	...	...	...	...	...	Dras,
4·9	+0·4	...	4·31	+2·65	0·68	III	11	+7·4	5·0	+1·4	0	1	48	34	29	29	5	1	218	...	...	...	...	...	...	...	...	...	Leh,
5·2	+0·6	...	2·99	+1·82	0·55	III	10	+5·2	0·4	+0·8	0	0	0	0	1	5	2	1	356	...	...	...	...	...	...	...	...	...	Skardu,
																													Gilgit.
																													N.W. F. Province—
4·3	+0·5	5·1	14·03	+0·52	1·60	VIII	28	+2·1	2·5	+0·6	71	20	25	28	71	29	12	33	76	71	93	54	23	23	10	5	21	65	Peshawar,
2·7	...	...	10·84	...	0·99	V	25	...	5·5	...	39	33	71	59	15	43	44	47	14	...	...	...	...	...	...	...	...	...	Miranshah,
2·8	+0·7	3·5	8·90	-0·19	1·92	VII	17	+0·7	1·7	+0·4	68	57	42	31	13	11	13	31	99	25	32	51	60	37	16	3	14	127	D. I. Khan.
																													†Baluchistan—
2·6	+0·6	4·4	8·28	+2·67	1·73	VIII	23	+1·7	1·8	-0·4	2	4	3	0	3	2	2	0	349	7	7	22	10	16	16	31	9	247	Fort Sandeman,
2·6	...	...	3·94	...	1·50	VII	11	...	4·1	...	34	28	26	35	38	26	14	23	141	...	...	...	...	...	...	...	...	...	Sibi,
3·3	+1·4	4·5	9·96	+0·21	1·25	VII	23	+1·2	3·8	...	0	3	5	54	116	10	6	3	168	26	10	5	6	45	27	91	106	49	Quetta,
2·5	+0·4	3·2	5·55	+1·67	0·57	I	19	+0·4	3·3	...	0	3	32	57	36	16	10	4	207	20	9	5	5	14	54	97	73	88	Chaman,
2·5	+0·7	...	8·71	+2·07	0·95	I	27	+8·9	5·3	+0·7	0	4	19	53	130	103	9	13	34	...	...	...	...	...	...	...	...	...	Kalat,
2·0	+0·1	2·7	4·94	+1·22	1·25	III	13	+3·8	5·1	+1·0	33	91	57	22	90	30	27	19	67	18	32	45	43	62	92	42	20	11	Dalbandin,
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Nokkundi.*	
2·2	...	1·7	13·02	...	3·25	IX	18	...	2·6	...	59	5	2	1	4	3	2	44	243	9	2	13	29	131	90	4	3	78	Las Bela.
																													Sind—
1·0	-0·7	1·2	5·71	+2·03	3·10	VII	5	+2·5	2·5	0	13	29	44	78	26	6	0	15	154	12	18	19	87	41	26	7	25	130	Jacobabad.
1·0	...	...	5·84	...	5·50	VIII	2	...	4·0	...	3	89	13	96	76	16	0	9	63	...	...	...	...	...	...	...	...	...	Sukkur.
2·6	...	2·3	3·10	...	0·61	III	10	...	2·3	...	53	56	16	5	96	89	26	8	16	55	21	9	3	86	102	59	25	5	Chhor.
2·7	+0·7	2·7	8·60	+1·48	3·98	VII	13	+3·4	...	...	101	21	5	3	57	102	47	9	20	98	20	8	6	73	97	28	14	12	Hyderabad.
4·1	+0·5	3·5	20·11	+12·55	7·12	VII	13	+3·7	9·8	+0·9	42	88	12	0	0	51	131	81	10	4	17	5	8	13	194	118	5	1	Manora (Karachi)
3·2	...	...	14·69	...	4·17	VIII	15	...	6·4	...	27	59	15	0	16	88	98	13	49	...	...	...	...	...	...	...	...	...	Badin.
...	...	...	6·37	...	1·50	IX	9	...	2·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Naushahro.
																													Rajputana, West—
2·3	+0·1	3·0	17·31	+5·52	4·75	VIII	23	+3·5	6·4	+1·9	15	32	63	74	46	98	27	4	6	52	42	15	19	21	80	74	55	7	Bikaner.
3·7	+0·6	4·1	24·69	+11·07	5·97	VIII	33	+14·1	5·2	+1·6	25	113	19	8	15	112	19	4	50	32	63	20	8	29	123	35	14	41	Jodhpur.
3·1	...	3·3	14·28	...	2·17	VI	27	...	4·8	...	31	12	2	6	27	68	41	100	78	24	53	12	23	33	81	48	40	51	Barmer.
																													Rajputana, East—
2·9	-0·2	3·3	39·21	+15·00	2·95	VI	52	+16·3	2·5	-1·8	21	51	61	7	8	22	49	19	127	32	23	25	8	17	43	84	84	69	Jaipur.
3·8	+1·1	4·3	35·33	+14·68	6·15	VIII	50	+20·0	3·6	-0·2	4	23	10	13	7	52	64	5	187	19	24	8	5	12	63	79	31	124	Ajmer.
4·2	+1·7	4·3	29·96	+1·73	3·20	IX	49	+13·2	1·5	-1·2	13	19	6	16	7	42	80	59	123	23	20	9	7	1	51	50	63	14	

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT

STATION,	Height of bar. cistern above mean sea-level in feet.	Pressure reduced to 32° F. and standard gravity, inches.				Maximum temperature °F.						Minimum temperature °F.						Dry bulb temperature °F.			Wet bulb temperature °F.			Vapour pressure, inches.			Relative humidity, %.								
		Mean 8 hrs. L. M. T.		Departure from normal.		Mean 17 hrs. I. S. T.		Mean.			Departure from normal.			Lowest.			Month.			Mean 8 hrs. L. M. T.		Mean 17 hrs. I. S. T.		Mean 8 hrs. L. M. T.		Mean 17 hrs. I. S. T.		Mean 8 hrs. L. M. T.		Mean 17 hrs. I. S. T.					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean 17 hrs. I. S. T.	Departure from normal.	Mean 17 hrs. I. S. T.	Departure from normal.	Mean 17 hrs. I. S. T.	Departure from normal.	Mean 17 hrs. I. S. T.	Departure from normal.	Mean 17 hrs. I. S. T.	Departure from normal.			
Gujarat—																																			
Deesa	• • •	466	29°335	—017	29°238	94°9	+0°7	111	IV, V	66°7	—0°2	38	I	78°3	91°1	66°9	71°8	+007	+536	52	+5	36													
Bhuj	• • •	343	29°452	—021	29°359	90°1	+1°0	106	IV	68°7	+0°3	44	I	75°1	87°9	66°6	68°9	+056	+472	61	+6	36													
Dwarka	• • •	37	29°786	—016	29°706	84°8	+0°4	99	X	73°7	+0°8	53	I	78°0	81°9	71°6	73°0	+031	+712	72	+5	64													
Jamnagar	• • •	53	29°746	—036	...	89°7	+0°2	102	VI	67°8	—0°3	41	I	77°8												
Rajkot	• • •	432	29°373	—018	29°267	92°0	+0°9	108	IV	67°3	+1°2	42	I	74°0	89°6	66°5	69°3	+012	+460	65	0	34													
Veraval	• • •	19	29°814	—001	29°726	86°8	+2°0	101	III	71°8	+0°5	51	I	78°0	82°1	70°1	75°6	+015	+804	66	+5	73													
Surat	• • •	39	29°785	—014	29°683	92°1	+0°6	108	IV	71°2	+1°3	49	I	76°3	88°8	69°7	74°3	+017	+663	71	+1	50													
Rhavnagar	• • •	55	29°773	—010	...	92°4	+1°2	108	IV	69°2	0	44	I	76°3	...	67°0	...	+039	...	59	+5	...													
Ahmadabad	• • •	163	29°658	—011	29°565	92°7	+1°9	107	IV	71°5	+0°9	50	I	77°6	90°0	67°8	70°8	+076	+519	58	+1	38													
Dohad	• • •	1,009	28°812	...	...	90°6	...	110	IV	66°7	...	42	I	73°1	...	67°1	...	+014	...	72	...	...											
Baroda	• • •	114	29°716	...	29°601	92°6	...	110	IV	67°1	...	41	I	74°8	89°7	68°9	73°1	+059	...	601	73	...	45												
Central India West—																																			
Neemuch	• • •	1,626	28°186	—008	28°091	87°3	+1°5	108	VI	64°4	—0°1	36	I	73°4	82°9	63°6	66°6	+005	+450	57	+1	42													
Indore	• • •	1,823	27°984	—016	27°887	87°2	+1°0	105	V	63°9	0	38	I	72°8	84°4	63°3	65°9	+044	+403	58	+4	37													
Bhopal	• • •	1,643	28°169	...	28°070	88°3	...	107	V	64°7	...	40	I	73°1	84°9	63°7	67°7	+088	...	464	59	...	41												
.Guna	• • •	1,571	28°216	...	28°126	87°7	...	110	V	63°1	...	33	I	70°8	84°2	62°8	68°7	+098	...	512	64	...	45												
Central India East—																																			
Nowrang	• • •	750	29°040	+004	28°947	89°9	+0°6	113	V	64°0	+1°6	31	I	72°1	85°5	64°7	68°9	+051	+016	507	68	+3	43												
Sutna	• • •	1,041	28°739	+003	28°643	88°8	+0°8	110	VI	64°7	+1°2	33	I	72°5	84°4	64°4	68°2	+010	+491	63	+1	43													
Umaria	• • •	1,500	28°290	...	28°191	87°1	...	109	V	63°6	...	32	I	72°4	82°1	64°8	68°5	+042	...	538	65	...	49												
Berar—																																			
Akola	• • •	925	28°885	—006	28°754	92°1	+1°1	110	IV	68°6	+1°2	49	I, XII	76°2	89°3	66°5	70°4	+037	+032	495	59	+3	39												
Amravati	• • •	1,213	28°582	—014	...	90°9	+1°2	108	V, VI	70°3	+1°1	54	I, XII	76°3	...	65°6	...	+06	+012	...	56	+1	...												
Central Provinces West—																																			
Khandwa	• • •	1,044	28°752	—019	...	92°2	+0°1	110	IV	67°1	0	43	I	75°0	...	65°5	...	+026	...	58	0	...													
Hoshangabad	• • •	992	28°820	—002	...	89°5	+0°8	108	V	68°1	+2°6	47	I	75°0	...	65°8	...	+026	...	60	+1	...													
Saugor	• • •	1,808	27°970	—015	27°886	86°9	+1°0	108	V	66°4	+0°1	42	I	73°4	83°0	62°8	66°1	+055	+010	432	54	+1	41												
Jubbulpore	• • •	1,289	28°507	+008	28°392	87°6	...	105	V	63°6	...	35	I	71°7	83°4	64°7	68°6	+047	...	511	66	...	47												
Seoni	• • •	2,033	27°776	—003	...	86°1	+1°5	104	V	65°0	+0°4	46	I, XII	73°3	...	64°9	...	+026	...	63	+2	...													
Nagpur	• • •	1,917	28°782	—002	28°665	91°0	+1°0	108	V	68°1	+0°7	49	I	74°7	86°9	66°3	70°4	+053	+022	527	63	+4	44												
Central Provinces East—																																			
Pendra	• • •	2,040	27°765	+003	27°662	83°5	+0°2	102	V, VI	64°1	+0°1	39	I	71°3	79°0	64°4	67°4	+046	+540	68	+7	56													
Raipur	• • •	970	28°808	—012	28°715	89°3	+0°9	107	V	68°5	+0°6	49	I	75°0	85°2	67°8	71°4	+040	+593	69	+5	51													
Kanker	• • •	1,300	28°485	...	28°385	87°8	...	103	IV	66°6	...	44	I	73°3	83°8	67°8	71°4	+022	...	611	75	...	55												
Chanda	• • •	634	29°166	—010	29°047	90°3	+2°5	108	V	69°1	+0°5	49	XII	76°2	86°3	69°8	75°4	+061	+738	73	+8	61													
Jagdalpur	• • •	1,813	27°977	—021	27°881	87°1	+0°5	103	IV	66°0	+0°2	46	I, XII	72°3	81°6	67°4	69°2	+003	+560	78	+2	56													
Konkan—																																			
Bombay	• • •	37	29°792	—018	29°702	87°7	+1°1	100	III	74°7	+1°1	57	I	78°6	83°3	73°5	75°5	+057	+011	778	77	+1	69												
Allbag	• • •	23	29°814	86°0	...	101	III	72°9	...	55	I	78°4	...	78°0	...	+748	...	76													
Ratnagiri	• • •	207	29°628	—011	...	86°2	+1°0	96	VI	78°5	+0°3	57	I	80°3																					

8 HRS. (L. M. T.) AND 17 HRS. (I. S. T.) FOR THE YEAR 1933.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT

STATION.	Height of bar. cistern above mean sea-level in feet.	Pressure reduced to 32° F and standard gravity, inches.					Maximum temperature °F.					Minimum temperature °F.					Dry bulb temperature °F.			Wet bulb temperature °F.			Vapour pressure, inches.			Relative humidity %.					
		Mean 8 hrs. I. M. T.			Departure from normal.		Mean 17 hrs. I. S. T.			Mean 8 hrs. I. M. T.			Departure from normal.		Mean 17 hrs. I. S. T.			Mean 8 hrs. I. M. T.		Departure from normal.		Mean 17 hrs. I. S. T.			Mean 8 hrs. I. M. T.		Departure from normal.		Mean 17 hrs. I. S. T.		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23							
Bombay Deccan—																															
Malegaon . . .	1,430	28°397	—*001	28°286	91°6	—0°6	108		IV	64°7	—0°6	38		I	75°4	87°7	65°2	69°5	*506	—*006	*482	56	—1	40							
Ahmadnagar . . .	2,154	27°687	—*012	...	88°7	—0°9	104		IV	65°7	+1°7	46		I, XII	73°5	...	64°0	...	*485	—*019	...	59	—1	...							
Poora . . .	1,834	28°005	—*008	27°898	88°3	—1°1	106		IV	64°1	—0°6	40		I	72°3	84.4	65°2	68°3	*543	+*022	*490	68	+1	45							
Satara . . .	2,320	27°540	...	27°445	...	...	...		IV	66°1	...	35		I	72°9	81.9	64°1	67°3	*495	...	*485	61	...	47					
Sholapur . . .	1,570	28°258	—*006	...	91°1	—0°3	105		IV	68°5	+0°2	51		XII	75°5	...	66°6	...	*542	+*043	...	62	+7	...							
Miraj . . .	1,824	28°037	...	...	88°1	...	103		IV	66°4	...	48		I	73°9	...	66°1	...	*548	...	...	65	...	...					
Bijapur . . .	1,950	27°892	—*003	...	88°8	—1°8	102		IV	67°8	0	52		I, XII	74°9	...	66°7	...	*558	+*008	...	64	—1	...							
Belgaum . . .	2,502	27°301	—*004	...	84°4	—0°2	99		IV	64°2	+0°1	47		I	70°3	...	65°0	...	*556	+*016	...	73	+2	...							
Gadag . . .	2,131	27°721	...	...	88°0	...	102		IV, V	67°8	...	55		XII	73°0	...	67°1	...	*592	...	...	73	...	...					
Hyderabad, North—																															
Aurangabad . . .	1,905	27°940	—*011	...	89°3	—1°3	105		IV	66°9	+0°8	50		XII	71°1	...	64°7	...	*498	+*013	...	59	+4	...							
Nizamabad . . .	1,248	28°565	—*003	...	90°5	—1°5	106		IV, V	69°3	+0°7	50		XII	75°7	...	68°5	...	*610	+*016	...	69	+5	...							
Hyderabad, South—																															
Gulbarga . . .	1,503	28°331	+*002	...	90°6	—2°2	105		IV, V	69°1	0	50		XII	76°0	...	67°2	...	*558	+*039	...	63	0	...							
Raichur . . .	1,311	28°530	+*010	...	90°2	—2°2	105		IV	70°8	+1°0	57		XII	77°1	...	70°1	...	*648	+042	...	68	+4	...							
Hyderabad . . .	1,709	28°115	+*005	...	87°4	—3°0	103		IV, V	68°9	+0°7	50		I	75°2	...	68°3	...	*605	+*010	...	70	+1	...							
Hanamkonda . . .	877	28°940	+*002	...	88°6	—2°6	106		V	71°9	+0°8	55		I, XII	76°6	...	70°6	...	*675	+*077	...	74	+13	...							
Mysore—																															
Chitaldrug . . .	2,405	27°454	—*004	...	86°6	—0°4	101		IV	68°1	+0°6	55		XII	73°4	...	67°7	...	*607	+*032	...	74	+4	...							
Balehonnur . . .	2,968	...	...	...	79°9	...	94		IV	63°6	...	52		XII	68°1	...	65°7	...	603	...	...	88	...	...					
Hassan . . .	3,149	26°765	+*002	...	83°3	0	97		IV	64°3	+1°6	51		XII	70°1	...	65°7	...	*583	+*005	...	79	+1	...							
Bangalore . . .	3,021	26°874	—*004	26°776	84°5	—0°1	98		IV	64°7	+0°4	53		XII	70°3	80°2	65°9	67°2	*586	+*007	*509	80	+2	53							
Mysore . . .	2,518	27°359	—*011	...	85°5	—0°8	99		IV	66°4	+0°5	55		XII	71°5	...	67°2	...	*619	+*013	...	80	+4	...							
Malabar—																															
Mangalore . . .	72	29°782	—*008	...	86°5	—1°2	93	I, II, XI	74°1	—0°2	65		I, XII	78°7	...	74°4	...	*792	+*007	...	80	+2	...								
Calicut . . .	27	29°823	—*012	...	87°4	+1°0	93	IV, V	...	...	...		...	78°5	...	74°5	...	*799	+*016	...	82	+2	...						
Cochin . . .	9	29°854	—*004	...	85°5	—2°3	91	I, IV, V	75°6	+0°6	70		I, XII	79°9	...	75°1	...	*809	+*004	...	80	0	...								
Trivandrum . . .	200	29°646	—*011	29°560	84°8	+0°5	91	II	75°6	+0°5	70		II, XI, XII	78°6	82°6	75°1	76°8	*815	+*024	*840	84	+2	76								
Madras, Southeast—																															
Pamban . . .	37	29°802	—*001	...	87°5	—0°2	93	V, VII	77°1	+0°4	71		II	81°7	...	77°6	...	*895	+*030	...	83	+3	...								
Madura . . .	463	29°368	—*013	...	92°5	—1°2	103	IV	75°3	+1°1	64		XII	79°1	...	72°4	...	*707	+*043	...	71	0	...								
Negapatam . . .	31	29°801	—*006	29°703	88°8	—1°4	101	V, VI, VII	77°2	+1°0	69		II, XII	80°8	84°3	74°7	76°2	*778	+*038	*794	74	+2	69								
Trichinopoly . . .	255	29°588	+*006	...	91°9	—2°4	103	IV	74°7	+0°4	65		I, II	80°5	...	73°7	...	*736	+*003	...	71	+1	...								
Coimbatore . . .	1,341	28°502	+*010	...	87°5	—2°4	98	III	70°5	+0°8	62		I, XII	75°9	...	70°6	...	*680	+*044	...	76	+5	...								
Salem . . .	913	28°924	+*008	...	91°2	—1°8	104	IV	71°8	+0°6	62		I, XII	76°8	...	71°7	...	*712	+*029	...	77	0	...								
Cuddalore . . .	42	29°807	+*008	...	89°2	—1°3	101	VI, VII	75°3	+0°5	52		XII	80°6	...	74°8	...	*788	+*038	...	76	+4	...								
Vellore . . .	702	29°116	—*021	...	91°3	—0°6	104	IV	72°6	+0°2	59		I, II, XII	77°5	...	72°1	...	*719	+*008	...	77	0	...								
Madras . . .	22	29°806	—*008	29°704	89°8	+1°1	102	VI	75°2	+0°7	63		XII	80°8	84°5	75°4	77°0	*808	+*005	*823	78	+1	71								
Madras, Deccan—																															
Cuddapah . . .	428	29°411	+*004	...	98°7	—1°9	108	IV	74°9	+0°4	61		XII	81°2	...	74°4	...	*768	+*057	...	72	+5									

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TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT

STATION.	Height of bar. cistern above mean sea-level in feet.	Pressure reduced to 32° F. and standard gravity, inches.				Maximum temperature °F.				Minimum temperature °F.				Dry bulb temperature °F.		Wet bulb temperature °F.		Vapour pressure, inches.		Relative humidity, %.					
		Mean 8 hrs. L. M. T.		Departure from normal.		Mean.		Departure from normal.		Highest.		Month.		Mean.		Departure from normal.		Lowest.		Month.		Mean 8 hrs. L. M. T.		Departure from normal.	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
Hill Stations excluding Kashmir and Baluchistan—																									
Maymyo	3,546	26.388	+·017	26.320	78·3	+1·7	90	V	56·7	+0·3	35	XII	65·0	70·3	61·3	64·1	+·521	+·012	·536	82	+4	73			
Haka	6,100	24·106	...	24·015	68·9	...	82	V	53·5	...	35	XII	57·4	61·0	52·5	55·8	+·361	...	·399	73	...	74			
Kanpetlet	6,274	23·878	...	23·832	68·2	...	80	V	54·6	...	38	XII	61·8	60·8	55·0	56·4	+·369	...	·413	67	...	78			
Shillong	4,921	25·079	+·007	25·014	69·9	0	82	VII, VIII	53·2	-0·2	30	I	61·7	62·9	56·4	59·5	+·411	+·004	·459	73	+1	79			
Cherrapunji	4,309	25·635	+·004	25·568	69·1	+0·4	83	VII, VIII	57·6	+0·5	39	I	63·6	64·5	58·0	60·3	+·450	+·021	·485	75	+6	79			
Darjiling	7,432	22·903	+·002	...	58·3	+1·0	75	VI	47·4	+0·3	31	I	53·5	...	50·1	...	+·341	+·012	...	79	+6	...			
Kalimpong	3,807	26·001	+·004	25·920	69·4	+0·1	85	VIII	57·7	+0·1	42	I, XII	61·9	64·5	58·9	60·4	+·480	+·005	·491	83	+1	79			
Muktesar	7,592	22·791	+·001	22·754	61·5	-2·1	78	VI	49·2	+1·3	28	I	53·3	56·4	46·5	50·1	+·266	+·006	·317	59	+2	65			
Mussooree	6,940	23·335	+·037	...	61·8	-2·1	80	V, VI	49·5	-1·2	28	I	54·3	...	49·0	...	+·313	+·004	...	68	+3	...			
Simla	7,224	23·064	+·006	23·024	61·3	+1·1	80	VI	49·2	0	22	III	55·3	56·0	47·1	49·8	+·260	+·003	·315	53	+2	65			
Murree	7,115	23·185	...	23·160	60·8	-3·9	87	VI	46·8	-3·6	18	I	53·4	56·4	45·9	48·9	+·257	+·010	·297	57	+1	59			
Cherat	4,272	25·661	+·014	...	71·5	+1·1	105	VI	56·7	+0·2	32	I	61·1	...	52·7	...	+·335	+·024	...	56	+4	...			
Parachinar	5,673	24·393	+·007	24·349	69·8	+0·5	97	V	48·7	+0·8	19	I	57·7	65·3	48·0	51·8	+·268	+·011	71	50	+6	39			
Drosh	4,723	...	...	...	73·0	+0·3	107	VII	52·9	+1·0	24	I	55·9	...	47·8	...	+·267	+·021	...	57	+1	...
Mount Abu	3,945	25·968	+·010	25·911	75·5	+0·3	90	V	61·0	+1·0	38	I	68·0	72·3	58·1	59·9	+·386	+·018	·387	55	+1	48			
Pachmarhi	3,528	26·396	+·019	26·325	79·2	+0·7	96	IV	59·6	-1·4	37	I	70·1	74·9	61·3	63·6	+·450	+·014	·464	62	0	57			
Mahabaleshwar	4,634	25·494	...	...	74·4	...	92	IV	60·4	...	49	XII	66·3	...	59·2	...	+·426	...	...	68	...	...	
Mercata	3,781	26·154	+·008	...	75·1	+1·2	89	IV	61·6	+0·5	53	X, XII	65·7	...	63·2	...	+·550	+·009	...	87	+2	...			
Kodaikanal	7,688	22·765	+·002	22·717	63·3	+1·6	71	IV	50·3	+0·8	38	XII	56·2	57·1	51·2	54·0	+·328	+·005	·386	73	+5	83			
Coonoor	5,730	24·434	...	...	70·0	...	78	IV	54·3	...	37	XII	64·1	...	57·4	...	+·401	...	...	68	...	...	
Ceylon—																									
Colombo	24	29·836	+·003	...	84·7	-2·4	90	I	74·6	-0·6	66	XII	77·7	...	74·7	...	+·823	+·017	...	86	+1	...			
Trincomalee	99	29·720	+·012	...	86·0	-3·3	95	VII, VIII	76·1	+0·1	71	*	79·1	...	74·7	...	+·797	+·040	...	81	+2	...			
Hambantota	61	29·768	+·015	...	85·7	+0·8	94	VIII	74·5	+0·4	67	VII	78·1	...	74·8	...	+·834	+·010	...	84	+1	...			
Nuwara Eliya	6,170	24·043	...	...	66·9	...	75	IV	51·4	...	32	II	56·8	...	55·2	...	+·418	...	...	90	...	...	
Arabia—																									
Alten	98	29·744	+·013	...	90·8	+3·0	102	VII	78·6	+0·6	69	I, XII	81·3	...	76·0	...	+·80	+·030	...	77	+2	...			

* The lowest minimum temperature was recorded in January, February, October, November and December.

† Records observations at 7 hrs. (L. M. T.)

6 HRS. (L. M. T.) and 17 HRS. (I. S. T.) FOR THE YEAR 1933.

TABLE II-A—ABSTRACT OF OBSERVATIONS RECORDED AT

Station and Month.	Height of barometer above mean sea-level in feet.	Pressure reduced to 32° F and standard gravity, inches.				Maximum temperature °F.				Minimum temperature °F.				Dry bulb temperature °F.		Wet bulb temperature °F.		Vapour pressure, Inches.		Relative humidity %.											
		Mean 8 hrs. L. M. T.		Departure from normal.		Mean 17 hrs. I. S. T.		Mean.		Departure from normal.		Highest.		Date.		Mean.		Departure from normal.		Lowest.		Date.		Mean.		Mean 17 hrs. L. M. T.		Mean.		Mean 17 hrs. L. M. T.	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23							
TABLE ISLAND. (Bay Islands.)	105																														
January . . .	29.802	-0.038	...	84.1	+1.1	86	25, 27	75.1	0	72	22	80.1	...	73.8	...	750	+0.040	...	73	0	...	73	0	...	70	-4	...	70	-7	...	
February . . .	29.767	-0.046	...	85.2	+1.4	88	21, 22, 25	73.3	-1.5	70	5 days	80.1	...	73.0	...	716	+0.03	...	70	-7	...	70	-4	...	70	-7	...	70	-4	...	
March . . .	29.750	-0.037	...	87.9	+1.3	91	29	76.3	0	73	4, 5	83.1	...	75.5	...	765	-0.026	...	70	-4	...	70	-4	...	70	-7	...	70	-7	...	
April . . .	29.729	-0.011	...	90.2	+0.8	93	18, 19, 20	80.3	+1.1	75	24	85.2	...	77.5	...	824	-0.025	...	70	-4	...	70	-4	...	70	-7	...	70	-7	...	
May . . .	29.653	-0.006	...	88.9	+0.5	93	15, 16, 19	80.6	-1.7	77	4 days	85.4	...	78.8	...	901	-0.029	...	74	-7	...	74	-7	...	74	-7	...	74	-7	...	
June . . .	29.590	-0.012	...	84.0	-1.3	87	4, 12	76.4	-1.4	73	4 days	81.1	...	78.3	...	916	-0.041	...	87	-1	...	87	-1	...	88	-2	...	88	-2	...	
July . . .	29.580	-0.021	...	84.4	+0.1	88	19	77.7	+0.5	73	27	81.0	...	78.4	...	923	-0.034	...	88	-2	...	88	-2	...	88	-6	...	88	-6	...	
August . . .	29.641	+0.013	...	85.1	+1.1	89	30	78.6	+1.4	73	3	81.8	...	78.0	...	908	-0.038	...	83	-6	...	83	-6	...	83	-6	...	83	-6	...	
September . . .	29.654	-0.016	...	84.0	-0.3	89	2	76.5	-0.6	72	16, 23	80.9	...	77.6	...	910	-0.013	...	86	-2	...	86	-2	...	86	-2	...	86	-2	...	
October . . .	29.712	-0.025	...	84.4	-0.8	87	3, 30	77.2	-0.5	74	18	81.3	...	77.6	...	910	+0.015	...	84	0	...	84	0	...	84	0	...	84	0	...	
November . . .	29.733	-0.042	...	84.2	-0.7	87	2	77.2	-0.6	74	15, 24	81.2	...	76.1	...	828	-0.026	...	78	-2	...	78	-2	...	78	-2	...	78	-2	...	
December . . .	29.784	-0.031	...	82.6	-0.5	85	15	74.6	-1.7	71	30, 31	80.1	...	73.6	...	750	+0.009	...	72	-2	...	72	-2	...	72	-2	...	72	-2	...	
Year . . .	29.700	-0.023	...	85.4	+0.2	93	IV, V	76.8	-0.4	70	II	81.8	...	76.5	...	841	-0.014	...	78	-3	...	78	-3	...	78	-3	...	78	-3	...	
CAR NICOBAR. (Bay Islands.)	19																														
January . . .	29.857	+0.006	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
February . . .	29.853	-0.009	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
March . . .	29.807	-0.029	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
April . . .	29.771	-0.037	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
May . . .	29.705	-0.065	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
June . . .	29.685	-0.057	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
July . . .	29.656	-0.087	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
August . . .	29.709	-0.051	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
September . . .	29.712	-0.073	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
October . . .	29.727	-0.074	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
November . . .	29.723	-0.096	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
December . . .	29.760	-0.074	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Year . . .	29.747	-0.064	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
MINICOY. (Arabian Sea.)	9																														
January . . .	29.886	-0.027	...	86.1	+0.2	87	19	76.2	...	72	1	80.8	...	74.9	...	785	...	...	74	...	...	74	...	...	74	...	...	74	...	...
February . . .	29.886	-0.022	...	86.9	+0.5	89	8	76.6	...	72	10	80.8	...	76.0	...	828	...	...	78	...	...	78	...	...	78	...	...	78	...	...
March . . .	29.871	-0.011	...	88.1	+0.2	90	4 days	76.5	...	74	4 days	82.4	...	76.9	...	845	...	...	75	...	...	75	...	...	75	...	...	75	...	...
April . . .	29.857	+0.021	...	89.6	+0.1	95	25	78.1	...	74	5, 11, 27	84.3	...	78.1	...	876	...	...	76	...	...	76	...	...	76	...	...	76	...	...
May . . .	29.796	-0.023	...	87.1	-1.8	92	3	77.1	...	71	19	82.4	...	77.7	...	896	...	...	81	...	...	81	...	...	81	...	...	81	...	...
June . . .	29.831	+0.026	...	85.6	-0.7	88	8, 9	77.9	...	73	21, 22	81.8	...	77.7	...	903	...	...	83	...	...	83	...	...	83	...	...	83	...	...
July . . .	29.841	+0.019	...	85.1	-0.6	87	8 days	77.1	...	73	6	80.8	...	76.9	...	872	...	...	83	...	...	83	...	...	83	...	...	83	...	...
August . . .	29.845	-0.001	...	83.8	-1.9	86	5 days	76.5	...	73	21, 22, 29	78.9	...	75.7	...	855	...	...	86	...	...	86	...	...	86	...	...	86	...	...
September . . .	29.861	-0.004	...	84.0	-1.7	86	5 days	76.4	...	73	1, 2	80.0	...	76.1	...	842	...	...	82	...	...	82	...	...	82	...	...	82	...	...
October . . .	29.844	-0.019	...	84.4	-1.7	87	11, 21	76.1	...	72	24	80.5	...	76.1	...	835	...	...	80	...	...	80	...	...	80	...	...	80	...	...
November . . .	29.871	-0.007	...	85.5	-0.8	87	7 days	76.0	...	71	19	81.3	...	76.4	...	828	...	...	78	...	...	78	...	...	78	...	...	78	...	...
December . . .	29.874	-0.024	...	86.2	0	88	5 days	75.5	...	71	11, 19	81.2	...	74.4	...	743	...	...	70	...	...	70	...	...	70	...	...	70	...	...
Year . . .	29.855	-0.006	...	86.0	-0.7	95	IV	76.6	...	71	V, XI, XII	81.3	...	76.4	...	842	...	...	79	...	...	79	...	...	79	...	...	79	...	...

8 HRS. (L. M. T.) AND 17 HRS. (I. S. T.) FOR EACH MONTH AND THE YEAR 1933.

TABLE II-A—ABSTRACT OF OBSERVATIONS RECORDED AT

STATION AND MONTH.	Height of barometer above mean sea-level in feet.	Pressure reduced to 32°F and standard gravity, inches.				Maximum temperature °F.				Minimum temperature °F.				Dry bulb temperature °F.		Wet bulb temperature °F.		Vapour pressure, inches.				Relative humidity %.		
		Mean 8 hours L.M.T.	Departure from normal.	Mean 17 hrs. I.S.T.	Mean	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Mean 8 hrs. L.M.T.	Mean 17 hrs. I.S.T.	Mean 8 hrs. L.M.T.	Mean 17 hrs. I.S.T.	Mean 8 hrs. L.M.T.	Departure from normal.	Mean 8 hrs. L.M.T.	Mean 17 hrs. I.S.T.	Mean 8 hrs. L.M.T.	Mean 17 hrs. I.S.T.		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
AMINI DIVI (Arabian Sea)	13																							
January	29.901	-0.028	...	88.4	+2.3	91	29	73.9	-0.1	70	13	82.6	...	74.8	...	75.8	-0.018	...	67	-5	...	...	...
February	29.890	-0.033	...	90.5	+3.4	93	17, 28	77.0	+1.0	73	13	83.4	...	76.1	...	79.4	+0.006	...	69	-3	...	...	...
March	29.865	-0.025	...	91.4	+1.9	95	27	78.9	+1.3	74	11	85.4	...	77.6	...	84.9	+0.021	...	68	-4	...	...	...
April	29.843	+0.009	...	91.4	-0.3	95	28, 29, 30	81.4	+1.6	78	4, 11, 12	86.6	...	79.5	...	92.7	+0.050	...	72	+1	...	...	...
May	29.778	-0.030	...	89.5	-2.0	97	1	79.1	-1.5	74	12	84.6	...	79.0	...	91.4	0	...	77	+3	...	...	...
June	29.769	+0.002	...	86.3	-1.0	88	6 days	78.5	+0.4	76	6 days	83.0	...	79.0	...	93.5	+0.010	...	83	+1	...	...	...
July	29.790	+0.002	...	84.8	-0.9	86	11 days	77.7	+0.3	73	1	81.4	...	79.4	...	96.2	+0.070	...	91	+8	...	...	...
August	29.810	-0.013	...	84.0	-1.7	88	31	76.7	-0.7	74	5 days	80.7	...	78.1	...	92.3	+0.043	...	89	+7	...	...	...
September	29.827	-0.021	...	83.8	-2.0	89	27, 28	76.2	-1.0	73	2, 7	80.0	...	77.8	...	93.0	+0.066	...	91	+10	...	...	...
October	29.805	-0.052	...	84.7	-1.7	90	30	76.3	-0.5	71	23	80.4	...	76.8	...	87.8	+0.010	...	85	+5	...	...	...
November	29.881	-0.014	...	88.0	+1.5	92	26, 27	76.4	+0.9	72	20	82.9	...	77.2	...	85.1	+0.017	...	77	+1	...	...	...
December	29.869	-0.039	...	89.2	+2.9	92	24	74.2	+0.4	69	31	83.6	...	74.7	...	74.5	-0.037	...	64	-8	...	...	...
Year	29.834	-0.020	...	87.7	+0.2	97	V	77.2	+0.2	69	XII	82.9	...	77.5	...	87.2	+0.020	...	78	+2	...	...	...
GYANTSE (Tibet)	13, 110																							
January	18.351	43.4	...	54	5	7.6	...	0	1	22.6
February	18.364	44.4	...	54	3	9.6	...	0	5	23.8
March	18.435	49.9	...	59	28	17.1	...	7	3	32.2
April	18.433	52.0	...	61	22	24.5	...	15	1	37.2
May	18.476	58.0	...	65	17, 29	34.0	...	22	14	43.2	...	38.0	...	185	67
June	18.434	69.2	...	76	19	44.7	...	38	9, 21	53.0	...	45.6	...	244	60
July	18.493	68.5	...	73	16, 31	47.0	...	43	11, 12, 13	52.8	...	49.2	...	316	80
August	18.529	65.2	...	75	9	40.2	...	35	30	50.0	...	48.0	...	317	88
September	18.532	63.3	...	69	9	40.5	...	36	12	48.5	...	43.4	...	233	70
October	18.539	58.1	...	64	1	30.3	...	19	29	40.7	...	36.3	...	172	68
November	18.488	50.5	...	58	1, 3, 4	17.7	...	9	6	30.5	...	28.7	...	144	83
December	18.415	41.7	...	51	5	8.8	...	1	15, 16, 17	20.5	...	19.2	...	094	84
Year	18.457	55.3	...	76	VI	26.8	...	0	I, II	37.9
KASHGAR* (Eastern Turkistan)	4,255																							
January	25.62	-10	...	22.7	-11.4	37	10	4.1	-8.1	-9	15	8.0	...	6.6	...	047	-0.040	...	71	-5	...	...	...
February	25.41	-25	...	41.9	-1.3	65	23	21.9	+2.1	12	3	27.0	...	24.5	...	110	+0.007	...	73	+2	...	...	...
March	25.38	-20	...	54.2	-3.3	67	21	34.0	-1.1	27	10, 13	40.8	...	36.2	...	160	+0.007	...	64	+7	...	...	...
April	25.37	-16	...	74.4	+2.4	86	30	49.4	+0.9	40	1	59.9	...	49.5	...	226	+0.011	...	44	-3	...	...	...
May	25.36	-16	...	83.7	+1.7	96	29, 30, 31	57.4	-0.5	49	25	69.9	...	68.8	...	499	+1.89	...	69	+23	...	...	...
June	25.20	-23	...	91.2	+1.4	104	22	63.5	-0.6	55	13	78.9	...	65.6	...	481	+0.090	...	48	+4	...	...	...
July	25.22	-17	...	96.2	+3.7	101	8, 30	69.0	+1.3	62	11	83.5	...	69.6	...	568	+106	...	49	0	...	...	...
August	25.27	-20	...	95.6	+5.1	105	13	67.4	+1.7	59	2	83.7	...	74.2	...	726	+262	...	63	+9	...	...	...
September	25.40	-19	...	84.8	+1.0	92	4 days	52.5	-4.5	43	4	68.7	...	57.5	...	332	-0.011	...	48	-7	...	...	...
October	25.53	-17	...	68.3	-2.6	84	3	40.4	-2.3	31	27, 29	51.0	...	44.4	...	218	+0.007	...	58	+1	...	...	...
November	25.56	-19	...	53.4	+0.1	65	1, 5	27.5	-1.0	23	15	38.0	...	29.8	...	135	0	...	72	+5	...	...	...
December	25.45	-27	...	41.2	+7.1	52	9	22.0	+9.8	15	22	25.0	...	23.8	...	120	+0.083	...	88	+12	...	...	...
Year	25.40	-19	...	67.8	+0.1	106	VIII	42.4	-0.6	-9	I	52.5	...	45.4	...	301	+0.055	...	62	+8	...	...	...

8 HRS. (L. M. T.) AND 17 HRS. (I. S. T.) FOR EACH MONTH AND THE YEAR 1933.

TABLE II-A.—ABSTRACT OF OBSERVATIONS RECORDED AT

Station and month.	Height of bar. cistern above mean sea level in feet.	Pressure reduced to 32° F and standard gravity, inches.				Maximum temperature °F.				Minimum temperature °F.				Dry bulb temperature °F.		Wet bulb temperature °F.		Vapour pressure inches..		Relative humidity %							
		Mean 8 hrs. L. M. T.	•	4	Departure from normal.	Mean 17 hrs. I. S. T.	6	7	8	Departure from normal.	Highest.	Date.	Mean.	10	11	12	Lowest.	Date.	Mean 8 hrs. L. M. T.	Mean 17 hrs. I. S. T.	16	17	18	19	20	21	22	23
Kabul (Afghanistan)	5,055						36.7	51	11	16.6	...	0	24, 25	23.7	...	20.6	...	087	...	...	...	67	...	...	...	...
January .	.	24.341	...	...	...	...	36.7	51	11	16.6	...	0	24, 25	23.7	...	20.6	...	087	...	...	...	67	...	...	...	...
February .	.	24.280	...	...	...	...	40.5	54	28	23.1	...	6	3	30.2	...	26.6	...	114	...	...	...	68	...	...	...	...
March .	.	24.282	...	...	...	...	63.6	68	17	35.6	...	28	25	44.0	...	37.7	...	161	...	...	...	55	...	...	...	...
April .	.	24.248	...	...	...	...	62.4	73	30	41.0	...	34	1	54.2	...	44.5	...	200	...	...	...	47	...	...	...	...
May .	.	24.194	...	...	...	...	79.1	90	30	51.0	...	41	8	69.8	...	55.2	...	281	...	...	...	39	...	...	...	...
June .	.	24.090	...	...	...	...	88.6	100	21	57.3	...	46	6	78.6	...	60.1	...	323	...	...	...	33	...	...	...	...
July .	.	24.083	...	...	...	...	93.9	100	7	60.9	...	53	4	83.6	...	62.8	...	354	...	...	...	30	...	...	...	...
August .	.	24.187	...	...	...	...	90.9	95	4 days	56.8	...	55	31	78.8	...	64.5	...	463	...	...	...	46	...	...	...	...
September .	.	24.223	...	...	...	...	84.7	88	8	52.1	...	42	4	70.6	...	56.6	...	318	...	...	...	42	...	...	...	...
October .	.	24.323	...	...	...	...	74.8	86	2	41.3	...	32	26	56.1	...	43.8	...	158	...	...	...	35	...	...	...	...
November .	.	24.374	...	...	...	...	61.9	72	3	33.7	...	21	27	42.9	...	35.4	...	126	...	...	...	46	...	...	...	...
December .	.	24.330	...	...	...	...	50.3	59	29	32.6	...	28	19	36.7	...	33.5	...	156	...	...	...	74	...	...	...	...
Year .	.	24.242	...	...	...	...	68.9	100	VI, VII	41.8	...	0	I	55.8	...	45.1	...	228	...	...	...	49	...	...	...	...
Hinaiidi * (Baghdad)	109																										
6 hrs. (G. M. T.)																											
(IRAQ)																											
January .	.	30.17	...	...	...	...	55.2	62	23	36.3	...	21	10	41.8	...	39.8	...	220	...	...	...	88	...	...	...	...
February .	.	30.00	...	...	...	...	65.0	80	25	44.0	...	35	12	51.2	...	48.0	...	295	...	...	...	79	...	...	...	...
March .	.	29.96	...	...	...	...	70.1	77	4 days	47.5	...	36	5, 6	57.0	...	50.3	...	274	...	...	...	60	...	...	...	...
April .	.	29.90	...	...	...	...	80.0	97	25	51.6	...	43	16	67.3	...	55.0	...	266	...	...	...	40	...	...	...	...
May .	.	29.79	...	...	...	...	97.5	106	22	66.5	...	59	2	84.3	...	62.7	...	288	...	...	...	24	...	...	...	...
June .	.	29.66	...	...	...	...	101.6	112	14	71.9	...	61	1	86.9	...	63.8	...	288	...	...	...	22	...	...	...	...
July .	.	29.54	...	...	...	...	108.2	113	15, 16	76.4	...	71	1, 22	90.4	...	66.1	...	310	...	...	...	22	...	...	...	...
August .	.	29.57	...	...	...	...	110.3	116	24	77.0	...	70	5 days	89.8	...	65.6	...	316	...	...	...	22	...	...	...	...
September .	.	29.73	...	...	...	...	102.5	112	4	68.3	...	60	26	84.0	...	62.8	...	294	...	...	...	25	...	...	...	...
October .	.	29.95	...	...	...	...	92.4	106	2	60.4	...	52	27, 28	75.3	...	57.6	...	249	...	...	...	28	...	...	...	...
November .	.	30.05	...	...	...	...	79.2	90	3	49.0	...	36	24	59.8	...	44.3	...	084	...	...	...	17	...	...	...	...
December .	.	30.11	...	...	...	...	62.7	75	22	39.6	...	26	28	46.3	...	41.3	...	191	...	...	...	62	...	...	...	...
Year .	.	29.87	...	...	...	...	85.4	116	VIII	57.4	...	21	I	69.5	...	54.8	...	256	...	...	...	40	...	...	...	...
Abadan * (L. M. T.)	10																										
(PERSIA—IRAN)																											
January .	.	30.18	...	...	...	...	60.0	68	27	42.9	...	26	10	50.3	...	47.3	...	282	...	...	...	78	...	...	...	...
February .	.	30.01	...	...	...	...	68.0	81	24, 25	43.7	...	35	1	57.8	...	53.0	...	336	...	...	...	70	...	...	...	...
March .	.	29.98	...	...	...	...	73.7	82	26	54.2	...	42	6, 7	64.0	...	56.1	...	342	...	...	...	57	...	...	...	...
April .	.	29.70	...	...	...	...	85.0	98	25	60.1	...	50	7	75.6	...	59.7	...	304	...	...	...	34	...	...	...	...
May .	.	29.73	...	...	...	...	100.4	109	22	72.1	...	66	2, 11, 31	90.3	...	66.7	...	345	...	...	...	24	...	...	...	...
June .	.	29.61	...	...	...	...	103.9	114	11	75.4	...	67	1	94.4	...	67.4	...	298	...	...	...	19	...	...	...	...
July .	.	29.52	...	...	...	...	108.2	114	31	80.4	...	75	9, 12, 15	97.3	...	68.5	...	318	...	...	...	18	...	...	...	...
August .	.	29.52	...	...	...	...	109.5	117	5	80.1	...	71	21	96.7	...	71.7	...	447	...	...	...	25	...	...	...	...
September .	.	29.70	...	...	...	...	104.8	113	5	70.7	...	61	27	89.5	...	67.6	...	386	...	...	...	28	...	...	...	...
October .	.	29.88	...	...	...	...	97.4	109	3	65.2	...	53	28	83.7	...	62.9	...	294	...	...	...	25	...	...	...	...
November .	.	30.04	...	...	...	...	81.7	89	2, 3, 4	52.5	...	37	25	67.4	...	54.2	...	245	...	...	...	37	...	...	...	...
December .	.	30.11	...	...	...	...	69.9	84	23	48.1	...	31	31	56.9	...	49.9	...	267	...	...	...	58	...	...	...	...
Year .	.	29.83	...	...	...	...	88.5	117	VIII	62.1	...	26	1	77.0	...	60.4	...	32	...	...	...	...	...	...	...	...

* Pressure reduced to M. S. L.

8 HRS. (L. M. T.) AND 17 HRS. (I. S. T.) FOR EACH MONTH AND THE YEAR 1933.

TABLE III.—ABSTRACT OF OBSERVATIONS RECORDED

STATION.	Height of bar. cistern above mean sea level in feet.	Pressure reduced to 32°F and standard gravity, inches.						Maximum temperature °F.			Minimum temperature °F.			Dry bulb temperature °F.		Wet bulb temperature °F.		Vapour pressure inches.		Relative humidity %			
		Mean 4 hrs.	Departure from normal.	Mean 14 hrs.	Mean.	Departure from normal.	Highest.	Month.	Mean.	Departure from normal.	Lowest.	Month.	Mean 4 hrs.	Mean 14 hrs.	Mean.	Mean 14 hrs.	Mean 14 hrs.	Departure from normal.	Mean 14 hrs.	Mean 21 hrs.	Departure from normal.	Mean 14 hrs.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
Sind																							
†Drigh Road (Karachi)	77	29.737	...	29.675	87.9	...	103	IV	67.9	...	40	I	75.0	78.7	67.3	70.0	.599	...	.641	64	...	63
Baluchistan																							
Ormara	15	29.792	...	29.721	...	...	...	...	70.6	...	45	I	76.1	79.1	70.2	71.7	.678	...	.691	72	...	68
Pasni	10	29.807	...	29.738	86.1	-0.4	102	IX	69.1	+0.3	50	I	76.5	77.9	70.1	73.5	.668	...	.783	71	...	80
Panjgur	3,177	26.661	...	26.585	86.3	+1.0	111	VI, VII	58.3	+1.3	24	I	67.9	78.5	59.5	65.1	.451	...	.504	61	...	45
Gwador	22	29.773	...	29.698	84.9	...	102	IX	70.5	...	52	I	76.1	78.7	70.9	71.9	.703	...	.705	75	...	70
Persia (Iran)																							
Charbar	25	29.785	...	29.720	85.0	...	100	VII	71.4	...	53	I	77.4	79.3	71.0	73.4	.693	...	.758	71	...	74
Jask	13	29.805	...	29.732	86.7	0	104	IX	73.2	0	54	I	79.1	81.6	72.4	75.2	.731	...	.810	71	...	75
Henjam	100	29.707	...	29.027	85.3	...	103	VI, VII, IX	73.4	...	54	I	78.0	80.1	72.2	72.7	.742	...	.726	75	...	69
Bushire	14	29.778	...	29.743	80.8	-1.1	100	VIII	67.8	-0.7	42	I	71.1	78.4	65.5	70.8	.584	...	.680	73	...	66
Ispahan	5,817	24.27*	...	24.22*	73.7	+0.1	104	VII, VIII	46.3	+0.3	3	I	53.1	69.1	...	...	...	...	...	...	...	...
Tehran	4,002	25.97*	...	25.91*	72.9	0	106	VII	50.3	-0.2	15	I	57.9	67.2	49.3	56.7	.287	...	.398	57	...	55
Mesched	3,104	...	...	...	71.1	+1.4	102	VIII	...	...	...	...	50.8	61.9	45.3	51.4	.273	...	.294	71	...	55
‡Seistan	2,000	28.227	...	28.139	84.1	+2.1	112	VII	57.0	+1.0	22	I	64.3	80.3	54.3	61.9	.328	...	.357	56	...	33
Arabia																							
Bahrein	8	29.823	...	29.782	84.0	+0.8	107	VIII	71.1	-1.0	48	I	75.3	79.2	70.7	74.1	.727	...	.816	79	...	77
Baitul Falaj (Muscat)	72	29.739	...	29.680	90.5	...	112	V, VII	73.1	...	52	II	80.1	85.0	70.4	71.7	.630	...	.609	61	...	55
Sharjah(a)	10

* Aneroid.

(a) Data not available for the whole year.

AT 4 and 14 hrs. (G. M. T.) FOR THE YEAR 1933.

Cloud amount, (tenths of sky).			Rainfall, Inches.				Number of rainy days. (0-10 ° or more)		Wind direction—Number of winds from												STATION.								
Mean 4 hrs.	Departure from normal.	Mean 14 hrs.	Total of the year.	Departure from normal.	Heaviest fall in 24 hours.	Month.	Total of the year.	Departure from normal.	Mean.	Departure from normal.	4 hrs.								14 hrs.										
24	25	26	27	28	29	30	31	32	33	34	N	NE	E	SE	S	SW	W	NW	Calm	N	NE	E	SE	S	SW	W	NW		
											35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
4.9	...	4.3	20.82	...	4.72	VII	15	...	9.9	...	75	56	10	1	1	28	152	24	18	4	22	10	4	5	144	161	12	3	Sind
4.8	...	2.6	8.41	...	1.94	II	11	...	...	...	19	27	41	18	7	74	108	26	45	3	8	11	14	30	148	141	3	7	Drigh Road (Karachi).†
4.1	...	2.5	12.79	+6.65	5.08	IV	12	+3.8	6.9	...	36	28	54	21	6	18	91	79	32	4	1	5	18	55	153	116	4	9	Baluchistan
2.0	...	2.5	7.26	+2.57	1.46	VII	12	+2.6	5.0	...	28	117	71	7	10	39	29	15	49	117	24	4	2	16	109	30	22	32	Ormara.
4.8	...	3.6	12.71	...	3.30	IV	9	...	6.3	...	29	48	61	35	14	20	91	35	32	3	1	11	47	83	116	54	3	17	Pasnl.
																													Panjgur.
																													Gwador.
																													Persia (Iran)
2.6	...	1.9	3.97	...	0.83	II	12	...	6.5	...	12	48	137	46	6	11	27	55	23	2	0	35	47	49	68	147	13	3	Charbar.
2.5	...	2.3	6.24	-1.73	2.86	IV	6	-3.2	...	...	41	22	72	91	3	0	11	67	52	2	2	1	60	45	49	64	123	14	Jask.
2.6	...	2.1	6.06	...	2.33	IV	11	...	5.6	...	66	91	40	10	6	61	10	28	40	5	20	20	23	19	220	21	3	25	Henjam.
1.7	...	1.4	5.53	-5.15	1.20	II	14	-4.2	9.4	...	86	80	50	28	13	3	12	88	3	11	4	4	14	28	29	72	198	0	Bushire.
1.8	...	2.3	1.65	-2.86	0.34	I	9	-4.1	2.6	...	7	15	5	3	7	47	26	23	231	18	38	44	18	3	69	21	14	139	Ispahan.
2.2	...	2.5	7.82	-1.65	0.83	XII	23	-4.4	2.5	...	27	33	13	4	3	14	7	3	261	11	8	7	11	9	52	29	10	228	Tehran.
3.5	...	3.6	8.91	-0.31	1.08	IV	21	-2.6	1.4	...	1	5	2	30	4	0	4	6	313	4	109	2	66	5	1	9	8	161	Meshed.
2.0	...	2.0	2.69	+0.67	0.80	II	7	-0.1	7.7	...	147	20	7	12	5	2	10	135	27	131	24	22	16	5	2	1	130	34	Seistan.†
																													Arabia
2.5	...	2.5	1.69	-1.29	0.52	IV	4	-3.0	9.3	...	46	2	8	15	3	17	86	79	109	154	48	48	11	0	1	4	71	28	Bahrein.
2.5	...	2.1	4.76	...	1.42	IV	12	...	4.6	...	6	15	2	2	13	8	34	14	271	63	88	53	18	4	2	16	30	97	Baitul Falaj (Muscat). Sharjah. (a)
...	

† Morning observations are recorded at 3 hrs. 32 mins. G.M.T

‡ Afternoon observations are recorded at 12 hrs. G. M. T.

TABLE IV.—ABSTRACT OF OBSERVATIONS RECORDED AT 8 HRS. (L. M. T.) AT 4TH CLASS STATIONS
FOR THE YEAR 1933.

* Records observations at 7 hrs. (L.M.T.)

TABLE V.—ABSTRACT OF OBSERVATIONS RECORDED AT 8 HRS. (L. M. T.) AT 5TH CLASS STATIONS FOR THE YEAR 1933.

TABLE VI.—ABSTRACT OF OBSERVATIONS RECORDED AT 10 HRS. (L. M. T.) AND CORRECTED DAILY MEANS AT 13 FIRST CLASS STATIONS IN INDIA DURING EACH MONTH AND THE YEAR 1933.

Station, height of bar. cistern above mean sea level in feet and month.	Pressure reduced to 32° F and standard gravity inches			Temperature of air °F.			Wet bulb temperature °F.			Vapour pressure, inches.			Relative humidity %			Cloud amount.			Wind direction at 10 hrs. Number of winds from—																
	Mean 10 hrs (L. M. T.)			Mean of daily means			Departure from normal			Mean 10 hrs (L. M. T.)			Mean 10 hrs (L. M. T.)			From minimum			Mean 10 hrs (L. M. T.)			Mean 10 hrs (L. M. T.)													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	N	NE	E	SE	S	SW	W	NW	Calm.
Calcutta (21)																																			
January . . .	30.050	29.975	+0.012	67.9	64.4	-0.8	52.5	58.8	1376	1378	1389	-0.042	86	55	68	-2	1.9	6	5	1	1	0	1	0	16	1									
February . . .	29.948	29.872	-0.030	72.6	73.0	+2.7	62.1	67.7	1536	1584	1561	+0.076	88	67	73	+7	3.2	2	1	1	1	2	6	1	8	6									
March . . .	28.865	29.796	-0.005	84.9	84.2	+1.9	65.6	72.0	1582	1615	1570	-0.073	77	51	56	-11	1.5	3	1	0	0	1	14	4	5	3									
April . . .	28.785	29.723	+0.027	87.8	84.6	-0.4	71.7	76.7	1752	1770	1743	-0.054	85	60	67	-3	2.0	2	0	0	2	6	15	2	3	0									
May . . .	28.706	29.649	+0.043	88.2	84.9	-0.8	74.0	80.5	1832	1936	1878	-0.065	89	71	77	+2	4.4	1	0	4	3	3	17	2	0	1									
June . . .	28.500	29.460	-0.034	85.1	84.9	+0.4	77.9	81.2	1925	1994	1932	-0.088	91	79	83	0	7.5	0	1	4	7	4	12	0	0	2									
July . . .	28.543	29.507	+0.022	84.5	83.4	+0.4	77.9	80.4	1939	1982	1968	-0.063	93	83	87	0	8.4	1	1	8	5	5	7	1	2	1									
August . . .	28.644	29.604	+0.068	84.1	83.1	+0.7	76.9	80.1	1908	1975	1944	-0.023	93	84	87	-1	9.1	2	0	4	5	8	9	0	0	3									
September . . .	28.686	29.633	-0.004	84.8	83.2	+0.6	77.1	80.0	1921	1957	1943	-0.009	95	81	87	+1	6.9	1	1	6	7	2	8	0	3	2									
October . . .	28.833	29.775	-0.010	84.0	80.8	+0.8	73.1	76.8	1819	1830	1829	+0.013	94	71	82	0	4.3	4	4	3	2	3	4	2	9	0	0	11	0						
November . . .	28.950	29.886	-0.023	78.3	73.9	+1.5	63.7	68.6	1565	1569	1578	0	89	59	73	-1	1.6	10	9	0	0	0	0	0	0	0	7	1							
December . . .	28.992	29.921	-0.052	72.0	67.0	+1.7	56.5	63.5	1437	1474	1462	+0.024	90	60	73	+2	1.1	14	4	2	1	1	1	0	7										
Year . . .	28.792	29.733	+0.001	81.2	78.7	+0.7	69.1	73.9	1716	1755	1736	-0.008	89	68	76	-1	4.3	46	27	33	34	35	94	12	64	20									
Agra (554)																																			
January . . .	29.531	29.437	+0.019	58.5	53.7	-6.4	...	47.2	...	175	157	-151	...	37	41	-20	3.9	3	0	3	1	0	3	15	6	0									
February . . .	28.403	28.338	-0.044	67.4	63.0	-1.8	...	55.2	...	273	251	-0.052	...	41	44	-8	3.7	3	2	5	2	0	1	8	5	2	0								
March . . .	28.350	28.278	+0.004	79.6	73.7	-5.0	...	59.3	...	234	212	-125	...	24	29	-11	1.9	8	2	3	0	6	5	5	2	0									
April . . .	28.232	28.167	+0.024	88.2	81.3	-6.8	...	63.6	...	280	278	-0.091	...	21	28	-1	2.6	6	1	2	2	2	8	3	6	0									
May . . .	28.140	28.072	+0.039	90.5	87.7	-6.3	...	71.8	...	1527	1488	+0.009	...	39	40	+7	3.1	3	2	4	7	1	3	6	3	2									
June . . .	28.909	28.851	-0.069	92.1	90.9	-2.5	...	76.1	...	1679	1636	-0.088	...	81	68	-20	4.0	1	3	4	5	1	2	8	6										
July . . .	28.972	28.926	+0.018	86.4	83.0	-3.0	...	79.3	...	1903	1892	-0.035	...	71	76	0	7.7	0	1	8	4	1	7	3	3	0									
August . . .	28.965	29.009	+0.037	83.7	81.8	-2.4	...	78.7	...	1911	1910	-0.003	...	79	82	+4	8.5	1	1	7	3	1	1	7	3	0									
September . . .	28.121	28.067	-0.028	83.7	80.8	-3.4	...	77.5	...	1858	1861	+0.047	...	76	85	+15	6.4	3	4	7	3	1	2	4	4	2									
October . . .	28.291	28.236	-0.037	83.4	75.4	-4.0	...	70.4	...	1567	1578	+0.088	...	51	63	+12	1.3	1	3	1	1	6	10	7	1										
November . . .	28.433	28.370	-0.025	75.7	65.0	-3.7	...	59.8	...	1302	1335	-0.008	...	35	51	+2	1.5	3	1	1	3	3	4	7	4										
December . . .	28.461	28.393	-0.067	67.4	58.2	-3.0	...	56.5	...	1311	1336	+0.035	...	47	61	+4	0.9	1	0	2	5	4	8	4	4										
Year . . .	28.242	28.180	-0.011	79.7	74.5	-3.9	...	66.3	...	1502	1495	-0.029	...	50	56	+2	3.8	33	20	47	36	21	56	76	50	26									
Lahore (702)																																			
January . . .	29.401	29.339	+0.048	53.4	48.8	-4.2	...	46.8	...	229	210	-0.059	...	58	61	-9	3.8	7	0	0	1	1	0	8	7	7									
February . . .	28.266	28.213	-0.033	64.8	59.4	+2.1	...	54.5	...	1287	1263	-0.024	...	48	53	-9	3.4	3	3	3	2	1	2	9	2	5									
March . . .	28.196	28.153	+0.021	72.3	67.1	-1.9	...	59.1	...	325	304	-0.056	...	43	47	-7	4.6	1	2	3	4	1	1	6	8	5									
April . . .	28.109	28.062	+0.002	81.4	76.1	-4.8	...	64.2	...	1372	1367	-0.028	...	37	43	+2	5.4	5	5	2	3	2	0	0	8	5									
May . . .	28.977	28.922	+0.052	92.7	86.7	-2.2	...	71.1	...	1470	1465	+0.011	...	32	40	+4	3.8	5	1	1	7	3	0	4	6	6									
June . . .	28.762	28.707	-0.031	97.7	93.6	+0.6	...	77.2	...	1658	1654	+0.027	...	38	43	-1	2.3	2	5	2	7	3	3	4	2	0	12								
July . . .	28.793	28.747	+0.014	90.6	89.0	-0.1	...	79.8	...	1869	1867	+0.004	...	63	66	+1	5.0	1	2	2	5	4	3	2	0	1	2	7							
August . . .	28.906	28.855	+0.056	85.2	83.2	-3.9	...	79.7	...	1940	1956	+0.072	...	78	85	+14	7.9	1	1	4	10	5	0	1	2	7									
September . . .	28.999	28.944	+0.007	85.4	81.8	-3.0	...	77.5	...	1839	1823	+0.105	...	69	76	+15	4.4	2	1	4	3	1	1	1	0	7									
October . . .	28.291	28.087	-0.027	84.1																															

TABLE VI—ABSTRACT OF OBSERVATIONS RECORDED AT 10 HRS. (L. M. T.) AND CORRECTED DAILY MEANS
AT 13 FIRST CLASS STATIONS IN INDIA DURING EACH MONTH AND THE YEAR 1933.

Station, height of bar. cistern above mean sea level in feet and month.	Pressure reduced to 32° F and standard gravity, inches.				Temperature of air, F.			Wet bulb temperature, °F.			Vapour pressure, inches.			Relative humidity, %.			Cloud amount.			Wind direction at 10 hrs. Number of winds from—									
	1	2	3	4	Mean 10 hrs. (L. M. T.)	Mean of daily means.	Departure from normal.	Mean 10 hrs. (L. M. T.)	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs. (L. M. T.)	From minimum.	Mean 10 hrs. (L. M. T.)	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs. (L. M. T.)	Mean of daily means.	Departure from normal.	N	NE	E	SE	S	SW	W	NW	Calm
		10 hrs. (L. M. T.)	Mean of daily means.	Departure from normal.	Mean 10 hrs. (L. M. T.)	Mean of daily means.	Departure from normal.	Mean 10 hrs. (L. M. T.)	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs. (L. M. T.)	From minimum.	Mean 10 hrs. (L. M. T.)	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs. (L. M. T.)	Mean of daily means.	Departure from normal.	19	20	21	22	23	24	25	26	27
SRINAGAR (5204)																													
January . . .	25.010	24.959	0	31.0	29.7	-1.0	...	30.1	...	154	111	-014	...	89	92	+8	7.1	1	2	0	2	1	1	3	5	18			
February . . .	24.941	24.892	-0.013	40.5	39.6	+6.6	...	38.1	...	203	197	+0.023	...	81	82	-1	7.1	4	1	2	4	2	1	1	6	7			
March . . .	24.930	24.883	+0.011	47.5	46.1	+0.7	...	43.6	...	241	234	-0.021	...	74	77	-4	6.6	1	3	3	3	1	3	3	7	7			
April . . .	24.899	24.863	+0.011	54.3	51.6	-4.2	...	49.0	...	287	286	-0.044	...	68	73	-5	5.9	3	1	4	6	3	0	5	6	2			
May . . .	24.812	24.772	-0.010	68.0	64.7	+0.6	...	58.4	...	373	346	-0.096	...	55	56	-22	3.2	1	3	0	5	4	0	4	4	10			
June . . .	24.682	24.642	-0.022	74.2	71.3	+0.7	...	63.9	...	473	464	-0.071	...	56	56	-23	3.3	5	1	0	5	0	1	4	3	11			
July . . .	24.620	24.592	-0.006	79.5	76.7	+3.2	...	70.5	...	640	626	-0.013	...	64	65	-16	4.3	4	2	0	2	1	3	2	8	9			
August . . .	24.723	24.682	+0.046	74.0	73.6	+2.2	...	67.8	...	647	632	+0.019	...	77	78	-2	7.0	6	4	1	5	0	0	2	5	8			
September . . .	24.817	24.765	-0.006	69.3	66.8	+1.2	...	62.6	...	406	478	-0.020	...	70	72	-	3.7	2	1	4	2	2	1	2	14				
October . . .	24.954	24.901	-0.002	59.0	55.4	+0.7	...	52.9	...	335	320	+0.027	...	67	75	-4	2.5	2	0	1	3	2	0	0	2	21			
November . . .	25.020	24.962	-0.002	48.1	43.4	-1.7	...	43.6	...	232	222	-0.011	...	70	75	-4	3.7	2	1	0	3	4	0	2	2	16			
December . . .	24.988	24.928	-0.061	41.3	40.0	+3.6	...	38.0	...	195	183	+0.007	...	74	75	-6	5.2	3	0	0	2	5	0	0	2	19			
Year . . .	24.867	24.820	-0.005	57.2	54.9	+1.0	...	51.5	...	356	345	-0.018	...	70	73	-7	5.0	34	19	15	42	25	10	30	30	140			
PESHAWAR (1164)																													
January . . .	28.941	28.885	+0.020	53.9	48.8	-1.7	...	44.0	...	156	166	...	...	40	38	...	4.4	2	3	4	6	2	4	0	2	8	
February . . .	28.860	28.786	-0.032	61.0	56.5	+2.5	...	50.2	...	215	219	...	...	43	40	...	5.0	2	4	6	5	1	0	0	1	9	
March . . .	28.769	28.722	-0.005	67.1	66.1	+2.7	...	56.6	...	325	322	...	...	50	46	...	6.0	8	5	5	4	2	0	0	5	2	
April . . .	28.692	28.640	+0.030	75.3	69.8	-3.6	...	61.9	...	375	368	...	...	45	42	...	5.6	9	1	4	2	1	0	2	4	7	
May . . .	28.527	28.470	+0.009	89.6	83.2	0	...	69.3	...	436	421	...	...	35	31	...	2.9	8	14	4	1	0	0	0	3	1	
June . . .	28.312	28.247	-0.055	96.2	91.2	+0.9	...	73.2	...	500	483	...	...	31	27	...	1.9	8	6	7	6	0	0	1	1	1	
July . . .	28.317	28.203	-0.009	89.9	91.6	+2.0	...	80.2	...	852	805	...	...	57	49	...	3.7	9	12	2	0	2	0	1	5	0	
August . . .	28.454	28.390	+0.018	87.0	84.8	-2.3	...	79.0	...	880	863	...	...	69	63	...	7.1	8	14	2	1	0	1	0	3	3	
September . . .	28.548	28.478	-0.021	85.8	82.5	+0.6	...	75.3	...	724	712	...	...	60	55	...	2.1	9	10	2	3	1	0	0	0	5	
October . . .	28.705	28.674	-0.016	79.8	73.5	+1.2	...	63.8	...	381	368	...	...	37	34	...	0.8	5	13	3	1	0	1	0	3	5	
November . . .	28.808	28.764	-0.051	69.0	63.0	+2.6	...	55.3	...	253	276	...	...	38	37	...	3.3	7	8	4	0	0	0	1	0	10	
December . . .	28.856	28.796	-0.086	60.6	53.9	+2.1	...	51.0	...	248	265	...	...	43	44	...	7.0	4	0	2	6	2	0	0	1	16	
Year . . .	28.649	28.593	-0.014	76.3	72.1	+0.6	...	63.3	...	445	439	...	...	46	42	...	4.1	79	90	45	35	11	6	5	27	67	
QUETTA(5405)																													
January . . .	24.771	24.710	+0.012	39.3	37.4	-2.6	...	(j) 35.9	...	(j) 149	(j) 143	...	...	(j) 51	(j) 47	...	4.9	1	0	0	3	4	1	4	4	14	
February . . .	24.695	24.652	-0.030	43.1	42.5	-0.3	...	38.6	...	173	158	...	...	59	49	...	6.1	1	0	1	4	4	0	3	3	12	
March . . .	24.465	24.650	-0.012	55.2	50.6	-2.5	...	43.3	...	161	151	...	...	36	33	...	4.8	5	1	0	1	9	0	1	3	11	
April . . .	24.658	24.614	-0.020	64.9	59.9	-2.1	...	50.4	...	208	194	...	...	35	31	...	5.2	1	0	0	0	6	3	4	4	12	
May . . .	24.615	24.569	-0.020	79.2	70.7	+0.5	...	57.0	...	223	190	...	...	23	20	...	2.7	1	0	0	0	4	0	0	2	24	
June . . .	24.482	24.442	-0.035	87.5	77.1	+0.7	...	58.9	...	184	148	...	...	14	11	...	0.6	2	0	0	0	1	3	3	6	15	
July . . .	24.460	24.428	+0.002	88.9	81.7	+1.5	...	64.6	...	363	318	...	...	30	27	...	3.5	1	0	0	2	8	2	3	5	10	
August . . .	24.517	24.474	-0.006	83.5	80.4	+2.0	...	65.4	...	423	358	...	...	37	30	...	2.5	5	3	2	1	8	3	0	1	8	
September . . .	24.617	24.568	-0.026	78.1	69.8	+0.4	...	54.7	...	183	146	...	...	17	13	...	0.5	4	1	1	0	0	1	5	10	8	
October . . .	24.738	24.689	-0.035	66.6	58.1	+0.1	...	45.0	...	084	073	...	...	13	10	...	0.5	2	1	0	0	0	1	5	8	14	
November . . .	24.795	24.743	-0.021	56.6	50.5	+2.0	...	42.7	...	133	119	...	...	32	26	...	2.7	5	0	0	0	5	2	0	7	11	
December . . .	24.754	24.699	-0.050	50.2	45.6	+2.7	...	40.1	...	139	131	...	...	40	33	...	5.5	3	1	0	4	2	0	3	5	13	
Year . . .	24.681	24.604	-0.019	65.9	60.4	+0.3	...	49.8	...	202	177	...	...	82	27	...	3.3	31	7	4	15	51	16	31	58	152	

TABLE VI.—ABSTRACT OF OBSERVATIONS RECORDED AT 10 HRS. (L. M. T.) AND CORRECTED DAILY MEANS AT 13 FIRST CLASS STATIONS IN INDIA DURING EACH MONTH AND THE YEAR 1933.

Stations, height of bar cistern above mean sea level in feet and month.	Pressure reduced to 32°F and standard gravity, inches.			Temperature of air °F.			Wet bulb temperature °F.			Vapour pressure, inches.			Relative humidity %			Cloud amount		Wind direction at 10 hrs.—Number of winds from									
																		N	NE	E	SE	S	SW	W	NW	Calm.	
	Mean 10 hrs (L. M. T.)	Mean of daily means,	Departure from normal.	Mean 10 hrs (L. M. T.)	Mean of daily means,	Departure from normal.	Mean minimum,	Mean 10 hrs (L. M. T.)	From minimum	Mean 10 hrs (L. M. T.)	Mean of daily means,	Departure from normal.	From minimum,	Mean 10 hrs (L. M. T.)	Mean of daily means,	Departure from normal.	Mean 10 hrs (L. M. T.)	19	20	21	22	23	24	25	27		
Jaipur (1431)																											
January . . .	28.650	28.584	+·046	64.6	57.3	-2.6	...	49.6	...	159	167	-101	...	26	37	-19	1.4	6	6	8	2	1	1	1	2	4	
February . . .	25.538	24.76	-·018	71.6	65.5	+1.3	...	56.4	...	256	245	-017	...	33	43	-4	2.7	2	2	13	1	1	3	0	3	3	
March . . .	25.500	24.435	+·028	82.5	75.5	+0.6	...	60.6	...	237	221	-084	...	22	30	-9	1.1	6	3	6	3	3	2	1	3	4	
April . . .	25.401	23.39	+·038	87.6	82.0	-4.3	...	65.6	...	332	316	-017	...	28	34	+4	2.4	0	4	4	3	5	4	2	3	5	
May . . .	25.310	24.27	+·049	90.9	86.7	-4.9	...	72.7	...	558	517	+069	...	41	43	+8	2.7	1	3	3	3	2	5	6	4	4	
June . . .	25.108	20.057	-·030	92.6	89.7	-0.9	...	75.1	...	627	601	-055	...	46	50	-2	3.5	2	0	0	1	0	2	16	5	4	
July . . .	25.127	20.083	+·014	86.1	83.7	-1.0	...	77.5	...	828	807	-027	...	67	70	-6	6.6	1	3	5	1	1	8	10	0	2	
August . . .	25.199	21.156	+·023	80.5	79.0	-3.3	...	76.2	...	845	842	+026	...	82	87	+9	9.0	2	2	3	2	1	7	6	3	5	
September . . .	25.268	21.213	-·045	83.2	79.5	-2.9	...	74.7	...	746	758	+066	...	67	78	+9	5.1	4	2	6	2	1	1	7	5	2	
October . . .	25.441	23.387	-·026	84.9	75.8	-2.1	...	67.3	...	441	428	+026	...	37	50	+4	0.7	1	4	1	0	1	2	8	7	7	
November . . .	25.555	24.494	-·022	78.8	67.5	-1.4	...	59.7	...	257	266	-031	...	27	43	-4	0.8	1	4	2	2	4	5	3	1	8	
December . . .	25.566	25.501	-·063	70.5	60.9	-0.6	...	56.2	...	264	255	-012	...	36	48	-5	0.5	2	2	5	7	3	5	1	4	2	
Year . . .	25.389	28.331	0	81.1	75.3	-1.8	...	66.0	...	463	452	-013	...	43	51	-2	3.0	28	35	56	27	23	45	61	40	50	
Bombay (37)																											
January . . .	29.943	29.877	-·017	73.5	75.0	+2.1	63.5	67.3	536	564	583	-008	79	63	70	-2	1.5	1	10	16	3	0	0	0	1	0	
February . . .	28.897	28.831	-·041	76.7	75.1	+1.0	64.9	69.1	567	607	604	-015	81	66	71	0	1.4	3	3	14	7	1	0	0	0	0	
March . . .	28.861	27.799	-·017	82.0	79.0	+1.8	68.8	72.2	648	660	671	-066	80	61	69	-6	0.8	8	4	5	3	3	2	1	5	0	
April . . .	28.826	27.769	+·018	85.8	83.1	+1.9	73.3	76.9	763	806	792	-049	80	66	71	-6	1.4	8	0	0	0	0	6	5	11	0	
May . . .	28.737	26.684	-·029	86.7	84.2	+0.4	76.2	78.8	857	876	871	-018	85	69	76	0	4.4	3	0	1	2	2	3	7	13	0	
June . . .	28.646	26.608	-·004	84.8	82.6	+0.8	76.3	79.3	868	925	905	-033	88	78	82	-1	6.8	0	0	0	0	6	9	9	0	0	
July . . .	28.657	26.625	+·014	83.3	81.5	+2.4	76.1	78.6	863	915	892	-029	88	81	84	-3	7.9	2	0	0	0	0	0	2	12	15	0
August . . .	28.712	26.673	+·005	81.4	79.9	+0.9	74.9	77.3	841	881	862	-023	92	83	85	-2	7.3	1	0	1	0	3	2	14	10	0	
September . . .	28.721	26.674	-·056	81.9	80.2	+1.3	74.7	77.4	836	879	856	-016	92	81	84	-2	6.1	4	1	3	2	3	6	5	6	0	
October . . .	28.709	27.742	-·044	83.2	81.7	+1.3	72.3	76.3	744	817	797	-055	83	72	76	-5	3.1	3	2	16	5	3	2	0	0	0	
November . . .	28.884	28.826	-·026	81.7	81.3	+1.9	69.7	72.8	668	688	701	-015	80	64	70	-3	2.2	1	2	16	8	1	2	0	0	0	
December . . .	28.915	28.853	-·039	77.1	77.0	+0.5	65.3	69.0	566	601	603	-036	78	65	69	-3	1.9	2	6	19	4	0	0	0	0	0	
Year . . .	28.800	29.747	-·019	81.7	80.1	+1.3	71.3	74.6	730	768	761	-031	84	71	76	-2	3.7	36	28	91	24	22	34	58	67	0	
Poona (1843)																											
January . . .	28.152	28.078	0	74.6	68.9	-0.4	60.4	...	355	345	...	...	41	49	...	2.4	4	9	11	3	0	0	0	2	2	
February . . .	28.090	28.020	-·029	79.4	72.8	-0.6	61.3	...	318	340	...	...	32	43	...	1.0	1	9	5	3	0	2	1	3	4	
March . . .	28.066	27.998	-·002	86.4	78.0	-1.8	63.7	...	309	347	...	...	25	38	...	0.3	4	10	6	5	0	0	2	3	1	
April . . .	28.029	28.965	+·024	90.7	81.9	-2.0	66.6	...	352	410	...	...	25	40	...	1.3	7	8	2	2	1	0	6	4	0	
May . . .	27.950	28.897	-·009	85.8	81.2	-2.7	71.9	...	605	659	...	...	50	67	...	4.7	2	3	5	3	1	3	4	8	4	
June . . .	28.862	28.882	+·001	81.0	76.5	-2.6	72.7	...	692	702	...	...	67	77	...	7.6	0	0	0	0	2	5	16	7	0	
July . . .	28.871	28.838	+·016	78.7	75.2	-0.2	72.3	...	710	696	...	...	73	78	...	8.8	0	0	0	0	0	7	19	5	0	
August . . .	28.923	28.884	+·017	77.1	73.7	-0.5	72.0	...	718	718	...	...	78	86	...	8.4	0	0	0	0	0	2	20	5	4	
September . . .	28.931	28.883	-·045	79.0	74.2	-0.5	71.9	...	691	690	...	...	70	80	...	7.2	0	2	5	1	0	7	10	2	3	
October . . .	28.020	28.962	-·036	81.6	75.7	-0.6	69.8	...	590	599	...	...	55	66	...	4.4	0	3	18	7	0	0	2	0	1	
November . . .	28.106	28.044	-·008	80.1	73.5	+1.4	65.6	...	456	470	...	...	44	56	...	2.2	0	2	21	2	1	0	0	1	3	
December . . .	28.125	28.058	-·036	74.0	68.2	-0.2	61.7	...	400	390	...	...	49	58	...	2.6	0	5	17	7	1	0	0	0	1	
Year . . .	28.010	27.955	-·009	80.7	75.0	-0.9	67.5	...	516	531	...	...	51	61	...	4.2	18	51	88	38	6	26	80	40	23	

TABLE VI.—ABSTRACT OF OBSERVATIONS RECORDED AT 10 HRS. (L. M. T.) AND CORRECTED DAILY MEANS AT 13 FIRST CLASS STATIONS IN INDIA DURING EACH MONTH AND THE YEAR 1933.

TABLE VI.—ABSTRACT OF OBSERVATIONS RECORDED AT 10 HRS. (L. M. T.) AND CORRECTED DAILY MEANS AT 13 FIRST CLASS STATIONS IN INDIA DURING EACH MONTH AND THE YEAR 1923.

Station, height of bar cistern above mean sea level in feet and month.	Pressure reduced to 32°F and standard gravity, inches.				Temperature of air °F.				Wet bulb temperature °F.				Vapour pressure, inches.				Relative humidity %				Cloud amount.								
	Mean 10 hrs. (L.M.T.)	Mean of daily mean.	Departure from normal.	Mean 10 hrs. (L. M. T.)	Mean 5	Mean 6	Mean 7	Mean minimum.	Mean 8	Mean 9	Mean 10	Mean 11	Mean 12	Mean 13	From minimum.	Mean 14	Mean 15	Mean 16	Departure from normal.	Mean 17	Mean 18	N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	6	7		8	9	10	11	12	13		14	15	16		17	18	19	20	21	22	23	24	25	26	27
Trivandrum (200)																													
January . . .	29.677	29.635	-0.028	82.0	80.8	+3.7	...	72.9	...	69.0	71.7	+0.051	...	63	75	+1	5.0	4	9	2	1	3	1	2	3	6			
February . . .	29.684	29.634	-0.015	82.6	80.6	+1.4	...	74.0	...	73.6	77.1	+0.086	...	66	79	+6	4.9	3	1	0	0	6	3	9	2	4			
March . . .	29.674	29.617	-0.010	81.8	80.9	+0.6	...	73.8	...	76.7	79.8	+0.023	...	74	81	+5	4.5	9	0	0	0	4	5	10	2	1			
April . . .	29.617	29.580	0	84.8	82.1	+0.2	...	78.2	...	88.7	90.0	+0.072	...	75	85	+6	6.6	15	1	0	1	1	1	4	5	2			
May . . .	29.614	29.574	+0.003	81.6	79.2	-2.1	...	77.8	...	89.9	91.0	+0.067	...	84	94	+11	8.9	6	1	0	1	1	1	7	8	6			
June . . .	29.632	29.596	+0.018	80.3	77.7	-0.7	...	77.1	...	81.6	84.5	+0.035	...	89	95	+9	8.8	11	1	0	0	0	0	9	8	0			
July . . .	29.640	29.608	+0.017	82.7	77.2	0	...	76.5	...	85.6	86.4	+0.069	...	84	91	+4	9.1	9	0	0	0	0	0	2	20	0			
August . . .	29.643	29.600	+0.001	80.6	77.4	-0.4	...	76.5	...	85.1	84.8	+0.063	...	84	92	+6	8.6	10	0	0	0	0	0	6	14	1			
September . . .	29.657	29.608	-0.008	80.3	77.7	-0.3	...	76.5	...	86.1	86.0	+0.079	...	84	92	+8	7.3	5	2	0	0	0	0	0	7	15	1		
October . . .	29.652	29.602	-0.019	80.7	77.6	-0.1	...	76.7	...	82.9	84.6	+0.060	...	82	90	+5	8.1	6	0	0	1	0	1	5	10	8			
November . . .	29.673	29.622	-0.018	82.4	78.7	+1.0	...	73.4	...	84.1	83.9	+0.058	...	76	86	+2	6.6	2	0	0	0	0	0	1	0	27			
December . . .	29.669	29.621	-0.032	83.4	79.7	+2.3	...	75.9	...	79.1	78.3	+0.075	...	70	79	+1	5.5	0	0	1	0	0	1	2	1	26			
Year . . .	29.653	29.608	-0.008	82.2	79.1	+0.5	...	75.9	...	81.9	82.2	+0.062	...	78	87	+6	7.0	80	15	3	4	15	13	64	88	82			

TABLE VII.—ABSTRACT OF OBSERVATIONS RECORDED AT 10 HRS. AND 16 HRS. (L. M. T.)

Station and height of bar cistern above mean sea-level in feet.	Month.	PRESSURE REDUCED TO 32°F AND STANDARD GRAVITY, INCHES.					TEMPERATURE OF AIR 2 °F.						WET BULB TEMPERATURE °F.				VAPOUR PRESSURE, INCHES.						
		Mean 10 hrs. (L. M. T.)	Mean 16 hrs. (L. M. T.)	Mean daily range.	Mean of daily means.	Departure from normal.	Mean Maximum.	Mean Minimum.	Highest Maximum.	Lowest Minimum.	Mean 10 hrs. (L. M. T.)	Mean 16 hrs. (L. M. T.)	Mean of daily means.	Departure from normal.	Mean Minimum.	Mean 10 hrs. (L. M. T.)	Mean 16 hrs. (L. M. T.)	Mean of three previous columns.	From Minimum.	Mean 10 hrs. (L. M. T.)	Mean 16 hrs. (L. M. T.)	Mean of daily means.	Departure from normal.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
KATMANDU (NEPAL) (4,388)	January	...	...	...	...	...	36·5	...	30	46·5	60·9	...	...	...	43·9	51·3	...	...	259	284	279	+·026	
	February	...	...	...	...	...	41·7	...	37	55·0	67·6	...	...	...	50·0	55·2	...	...	302	288	305	+·045	
	March	...	...	...	...	...	43·9	...	39	67·4	70·6	...	...	...	54·2	56·9	...	...	267	240	251	+·050	
	April	25·556	25·483	·073	25·518	+·014	50·6	...	43	70·4	70·6	...	...	...	57·9	59·8	...	...	337	320	322	+·038	
	May	·559	·453	·106	·502	+·054	58·8	...	47	73·4	76·6	...	...	...	64·1	65·3	...	...	485	483	478	+·012	
	June	·79	·322	·057	·346	+·012	66·8	...	62	77·9	79·7	...	...	...	70·2	71·7	...	...	644	690	666	+·026	
	July	·420	·351	·069	·384	+·039	67·9	...	64	77·9	78·7	...	...	...	71·1	72·3	...	...	675	707	695	+·002	
	August	·468	·401	·067	·420	+·040	67·4	...	64	77·0	78·7	...	...	...	70·1	71·9	...	...	650	702	676	+·008	
	September	·505	·440	·065	·460	+·009	65·5	...	61	76·9	77·8	...	...	...	69·1	70·9	...	...	614	675	647	+·014	
	October	·576	·516	·060	·543	+·049	57·3	...	48	67·9	76·9	...	...	...	62·4	66·8	...	...	491	544	515	+·036	
	November	·655	·590	·065	·619	+·034	45·8	...	38	55·7	70·7	...	...	...	52·8	59·9	...	...	367	390	379	+·043	
	December	·661	·599	·062	·627	+·038	39·5	...	33	48·6	62·3	...	...	...	46·3	52·8	...	...	281	293	292	+·024	
	Year	...	...	...	...	...	53·5	...	30	66·2	73·6	...	...	...	59·3	62·9	...	...	448	468	459	+·010	
SEYCHELLES (INDIAN OCEAN) (15)	January	29·861	29·773	·088	29·828	+·020	83·7	73·9	86	72	81·0	81·2	77·6	-·0·9	72·6	78·3	76·4	76·1	790	835	828	836	+·003
	February	·849	·766	·083	·816	+·036	84·5	75·5	87	73	82·9	83·3	78·9	-·0·2	73·7	76·6	76·9	75·7	811	888	888	852	+·010
	March	·863	·767	·096	·820	+·088	85·0	75·8	87	72	83·7	83·2	79·4	+·0·5	73·2	76·8	76·9	75·6	776	831	838	842	+·019
	April	·871	·781	·090	·829	0	86·6	75·0	89	71	84·8	85·2	79·5	+·0·1	72·9	73·9	77·7	74·8	783	824	855	846	+·017
	May	·861	·781	·080	·822	+·042	85·6	77·1	89	73	83·7	83·5	79·9	+·0·4	73·7	77·3	77·2	76·1	791	838	838	835	+·011
	June	·906	·831	·075	·870	0	82·9	75·1	86	72	80·9	81·2	77·9	+·0·3	71·7	75·6	75·2	74·2	736	821	785	797	+·016
	July	·940	·869	·071	·905	+·011	80·7	74·3	82	70	78·7	79·4	76·2	-·0·2	70·1	73·6	73·7	72·5	678	770	764	752	+·001
	August	·928	·853	·075	·893	+·003	80·7	74·2	85	71	78·9	78·9	76·0	-·0·6	69·8	73·1	73·4	72·1	672	729	736	720	+·027
	September	·940	·846	·094	·901	+·002	81·2	74·5	83	71	79·6	79·6	76·6	-·1·1	70·6	73·8	74·3	72·9	704	757	764	749	+·018
	October	·921	·826	·095	·885	+·007	82·9	74·8	85	71	81·0	81·2	77·5	-·0·2	71·4	75·4	75·4	74·1	710	792	785	775	+·019
	November	·892	·800	·092	·859	+·006	83·4	73·9	85	71	80·9	81·1	77·3	-·0·3	71·0	75·5	75·5	74·0	717	792	792	792	+·044
	December	·868	·780	·088	·834	+·025	82·8	73·4	86	70	80·7	80·4	77·0	-·0·9	70·7	74·9	74·9	73·5	724	785	792	792	+·040
	Year	29·892	29·806	·086	29·855	+·012	88·3	74·8	89	70	81·4	81·5	77·8	-·0·3	71·8	75·2	75·6	74·2	741	801	801	799	+·013

AT KATMANDU AND SEYCHELLES DURING EACH MONTH AND THE YEAR 1933.

From Minimum.	RELATIVE HUMIDITY, %				CLOUD AMOUNT. (TENTHS OF SKY).				WIND DIRECTION AT 10 HRS. AND 16 HRS. NUMBERS OF WINDS FROM												WIND VELOCITY.		RAINFALL. INCHES.		RAINY DAYS.
	25 Mean	26 10 hrs. (L. M. T.)	27 Mean 16 hrs. (L. M. T.)	28 Mean of daily means.	29 Departure from normal.	30 Mean 10 hrs. (L. M. T.)	31 Mean 16 hrs. (L. M. T.)	32 Mean of two previous columns.	33 Departure from normal.	34 Calm.	35 N.	36 N.E.	37 E.	38 S.E.	39 S.	40 S.W.	41 W.	42 N.W.	43 Mean wind direction.	44 Mean velocity in miles per diem.	45 Departure from normal.	46 Actual.	47 Departure from normal.	48 Actual.	
...	82	58	71	-6	8.1	2.7	5.4	+2.0	0	12	5	12	2	7	1	14	9	N 18 W	24	+9	1.29	+0.30	3		
...	70	43	60	-9	5.8	3.5	4.4	+0.9	0	10	2	7	0	4	0	23	10	N 57 W	31	+10	0.35	-0.51	1		
...	40	26	34	-27	2.2	2.9	2.5	-0.8	0	11	8	11	4	4	4	21	4	N 59 W	29	+6	0	-1.09	0		
...	45	35	40	-18	3.7	4.3	4.0	0	0	9	4	10	4	3	5	22	3	N 69 W	31	+5	4.42	+2.48	4		
...	59	53	56	-12	5.8	6.3	6.1	+0.9	0	8	8	9	5	3	3	14	12	N 26 W	28	-3	5.70	+1.69	11		
...	68	67	67	-9	7.9	7.8	7.9	+1.7	0	15	1	14	4	5	4	9	8	N 1 E	23	0	12.03	+2.81	20		
...	71	73	72	-9	8.0	7.7	7.9	+1.1	0	28	5	13	4	6	0	5	1	N 30 E	25	+10	16.77	+1.86	22		
...	70	71	72	-10	7.7	7.5	7.6	+0.6	0	16	6	11	2	12	0	15	0	N 13 E	28	+10	16.09	+1.43	17		
...	66	71	71	-10	5.8	7.0	6.4	+0.1	0	11	3	21	1	4	2	14	4	N 30 E	18	+6	5.25	-2.10	12		
...	73	59	67	-8	4.8	4.5	4.7	+0.7	0	9	4	17	1	5	0	22	4	N 26 W	15	+3	5.06	+2.77	5		
...	82	51	71	-4	4.6	2.7	3.7	+1.1	0	15	3	10	0	4	2	18	8	N 37 W	15	+5	0	-0.15	0		
...	83	52	70	-5	7.1	8.6	5.8	+2.7	0	13	2	18	1	4	0	15	9	N 4 W	19	+3	0	-0.31	0		
...	67	55	68	-10	5.9	5.0	5.5	+1.0	0	157	46	153	28	61	21	192	72	...	23	+5	66.96	+0.18	95		
...	80	78	87	+3	6.9	7.6	7.3	+0.3	11	4	6	8	4	0	1	8	20	N 23 W	108	+1	21.28	+4.19	20		
90	73	78	82	-1	5.5	5.8	5.7	-0.8	1	11	10	2	0	0	1	7	24	N 24 W	104	-3	1.23	-11.37	4		
88	71	78	81	-2	6.4	7.2	6.8	+0.1	4	6	11	3	2	0	0	3	33	N 21 W	129	+43	8.16	-1.75	6		
90	95	70	88	+8	4.8	4.4	4.3	-0.8	2	4	9	13	5	1	1	2	23	N 10 E	104	+22	2.02	-5.33	4		
84	73	78	79	-1	5.7	6.4	6.1	+1.0	4	2	0	6	17	14	6	3	10	S 10 E	147	+27	4.84	-1.23	10		
84	77	74	80	+1	6.8	6.7	6.5	-0.6	1	1	2	21	27	7	1	0	0	S 59 E	220	+32	4.92	+0.12	8		
81	78	76	79	+1	6.5	6.3	6.4	+0.8	1	1	1	13	37	7	2	0	0	S 49 E	288	+77	1.25	-1.16	4		
79	74	76	77	-1	6.8	7.1	7.0	+0.6	0	0	3	9	32	17	1	0	0	S 41 E	276	+45	0.84	-1.72	3		
81	74	76	79	-1	6.2	6.4	6.3	+0.7	0	0	0	12	32	13	3	0	0	S 41 E	286	+76	10.94	+6.08	9		
83	76	74	80	-1	5.7	5.9	5.8	-0.4	2	4	4	19	19	10	2	2	0	S 60 E	198	+59	2.31	-2.47	7		
86	76	76	82	-1	5.9	6.6	6.8	-0.6	7	1	3	21	16	4	0	2	6	S 75 E	125	+32	11.68	+1.27	14		
88	74	76	81	-2	6.8	6.4	6.3	-0.5	3	5	3	2	4	3	1	6	85	N 44 W	139	+30	10.42	-4.02	15		
86	77	75	81	0	6.0	6.4	6.2	0	36	39	52	129	195	76	19	33	151	...	177	+87	79.89	-17.89	104		

TABLE VIII.—ABSTRACT OF HOURS OF BRIGHT SUNSHINE AND NOCTURNAL RADIATION TEMPERATURE AT 15 STATIONS DURING EACH MONTH AND THE YEAR 1933.

Station ; Latitude and Longitude.	Month.	BRIGHT SUNSHINE.														NOCTURNAL RADIATION TEMPERATURE (1° ABOVE GROUND).					
		No. of days with duration.							Total hours for the month.	Percentage of possible hours of sunshine in the month.	Duration in the month.				Mean minimum.	Departure from normal.	Lowest in the month.	Date.	Depression below the minimum in shade.	Departure from normal.	
		Nil.	0' 1 to 3 hours.	3' 1 to 6 hours.	6' 1 to 9 hours.	Above 9 hours.	Hours.	Date.			Hours.	Date.	Hours.	Date.							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19			
CALCUTTA— Lat. 22° 32' Long. 88° 20'	January . . .	1	0	2	18	10	253.8	75	10.0	29	0	25	49.2	...	42.3	17	5.0	-2.2			
	February . . .	1	0	6	12	9	214.0	67	10.2	26, 27, 28	0	13	60.2	...	46.2	1	3.7	-3.2			
	March . . .	0	2	2	12	15	258.3	69	10.3	1	2.3	4	65.1	...	52.0	2	5.5	-0.6			
	April . . .	0	3	1	9	17	252.6	66	10.8	26	0.8	23	71.9	...	64.1	15	3.6	-0.9			
	May . . .	0	0	4	14	13	261.2	64	11.4	20	3.3	9	74.7	...	69.6	13	2.5	-0.6			
	June . . .	3	5	14	8	0	135.4	33	8.9	2	0	23, 24, 25	77.8	...	75.0	1	1.7	-0.5			
	July . . .	5	8	9	7	2	125.1	30	9.1	8, 31	0	5 days	77.7	...	73.9	19	1.8	-0.1			
	August . . .	1	16	8	5	1	110.2	28	10.7	1	0	13	77.0	...	72.9	19	1.3	-0.7			
	September . . .	4	8	9	5	4	133.8	36	9.9	14	0	4 days	76.3	...	73.1	30	2.1	-0.5			
	October . . .	1	2	10	10	8	211.6	59	10.1	29, 30	0	16	71.8	...	61.9	31	3.0	-1.3			
	November . . .	0	1	0	9	20	263.9	80	10.1	3, 7	3.0	18	60.9	...	54.2	26	4.8	-1.4			
	December . . .	0	0	4	26	1	240.4	72	9.1	15	3.9	29	52.6	...	48.2	20	5.2	-2.3			
	Year . . .	16	45	69	135	100	2460.3	56	11.4	...	0	...	67.9	...	42.3	1	3.3	-1.2			
AGRA— Lat. 27° 08' Long. 78° 01'	January . . .	0	1	1	12	17	273.1	83	10.4	5 days	1.8	22	34.1	...	21.1	14	5.3	...			
	February . . .	0	3	4	6	15	224.2	71	11.0	28	0.5	24	43.1	...	33.6	6, 7	5.0	...			
	March . . .	0	1	1	4	25	301.3	81	11.1	27	2.5	21	50.5	...	40.7	2	6.8	...			
	April . . .	0	1	1	9	19	279.0	73	12.0	16	1.0	12	58.8	...	51.1	1	6.6	...			
	May . . .	1	2	0	13	15	269.3	65	12.4	14	0	16	70.9	...	64.6	2	4.8	...			
	June . . .	2	6	1	6	15	192.8	46	10.7	15	0	21, 22	77.9	...	73.0	21	5.2	...			
	July . . .	1	9	5	12	4	174.4	41	12.2	16	0	26	77.9	...	75.5	18	1.2	...			
	August . . .	1	11	7	9	3	152.8	38	10.6	3, 23	0	31	76.6	...	74.0	9	...	...	
	September . . .	2	5	6	3	14	198.6	(a)	11.5	10	0	23, 25	73.7	...	70.0	27	0.8	...			
	October . . .	1	1	1	0	28	304.5	83	11.0	5 days	0	18	59.5	...	46.0	31	3.8	...			
	November . . .	0	1	1	2	26	287.0	88	10.7	4	3.0	19	45.5	...	37.3	29	4.2	...			
	December . . .	0	1	0	3	27	287.3	89	10.2	1	0.1	20	40.0	...	32.4	19	4.2	...			
	Year . . .	8	42	27	79	208	2,944.3	66	12.4	...	0	...	59.0	...	21.1	1	...	...	
LAHORE— Lat. 31° 35' Long. 74° 20'	January . . .	1	4	4	15	7	210.4	66	9.5	25, 26	0	18	29.9	...	20.0	7	6.9	-2.7			
	February . . .	1	2	3	10	12	211.3	68	9.9	27	0	24	40.1	...	32.2	19	7.0	-2.4			
	March . . .	1	2	6	6	16	238.7	64	11.2	27	0	20	46.2	...	33.7	10	7.7	-1.5			
	April . . .	0	4	6	8	12	222.7	57	11.5	28	0.4	30	55.4	...	44.8	16	7.6	-1.8			
	May . . .	0	1	6	7	17	270.8	64	12.2	17	0.2	1	66.6	...	58.4	5	6.9	-2.1			
	June . . .	0	0	4	11	15	258.3	61	11.9	24	3.1	21	76.2	...	69.8	4 days	5.8	-0.7			
	July . . .	3	2	11	9	6	179.7	41	11.4	28	0	0, 14, 30	79.8	...	75.9	20	1.8	-2.1			
	August . . .	1	6	12	6	6	178.8	43	11.6	3, 9	0	14	76.7	...	72.2	15	1.2	-2.9			
	September . . .	1	2	7	3	17	229.6	62	10.9	14	0	25	72.0	...	66.9	27	2.7	-3.9			
	October . . .	0	0	0	2	29	294.9	83	10.2	1, 5	7.2	13	54.9	...	43.1	31	7.8	-2.0			
	November . . .	0	2	0	12	16	254.8	80	9.7	10	0.3	19	40.7	...	35.4	25	8.5	-2.2			
	December . . .	0	2	2	27	0	281.0	74	8.9	2	2.7	4	37.0	...	28.9	18	7.3	-2.7			
	Year . . .	8	27	61	116	163	2,781.0	63	12.2	..	0	...	56.3	...	20.0	I	5.9	-2.3			

(a) Records for 29 days.

(b) Mean of 20 days.

TABLE VIII.—ABSTRACT OF HOURS OF BRIGHT SUNSHINE AND NOCTURNAL RADIATION TEMPERATURE AT 15 STATIONS DURING EACH MONTH AND THE YEAR 1933.

Station Latitude and Longitude.	Month.	Bright sunshine.										Nocturnal Radiation Temperature (1½° above ground).								
		No. of days with duration.					Total hours for the month.	Percentage of possible hours of sunshine in the month.	Duration in the month.				Mean minimum.				Departure from normal.			
		No.	0' 1 to 3 hours.	3' 1 to 6 hours.	6' 1 to 9 hours.	Above 9 hours.			Hours.	Date.	Hours.	Date.	10	11	12	13	14	15	16	17
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		
SRINAGAR— Lat. 34° 05' Long. 74° 50'	January . . .	8	7	10	6	0	97·7	31 (d)	8·2	13	0	7 days	22·3	...	13·0	14	1·5	-5·4		
	February . . .	4	8	8	6	1	97·5	32 (d)	9·6	6	0	4 days	30·7	...	25·0	7	2·0	-5·0		
	March . . .	8	6	3	11	3	137·6	37 (b)	9·8	26	0	8 days	34·8	...	28·0	1	2·8	-5·4		
	April . . .	4	7	6	4	8	134·5	36 (b)	10·2	15	0	4 days	39·9	...	32·2	7	3·2	-5·3		
	May . . .	1	2	4	7	17	261·1	61	11·7	26	0	13	47·2	...	38·5	8	3·9	-5·3		
	June . . .	0	2	6	5	18	249·1	58	11·3	12	0.8	15	55·3	...	50·2	1	3·7	-5·6		
	July . . .	2	5	4	5	15	215·2	49	11·7	1	0	27, 31	63·1	...	57·0	1	4·3	-4·6		
	August . . .	2	9	6	10	4	158·1	38	10·5	17	0	7, 14	63·4	...	59·0	30	1·9	-6·3		
	September . . .	2	4	6	9	9	192·7	52	9·6	23	0	1, 20	53·2	...	47·5	24	2·5	-7·3		
	October . . .	1	1	5	12	12	218·1	62	9·7	29	0	13	39·1	...	28·3	27	3·6	-6·3		
	November . . .	3	4	4	10	9	163·9	63 (a)	9·6	6	0	18, 25, 28	25·3	...	23·2	16	6·9	-2·9		
	December . . .	1	7	10	12	0	148·7	50 (a)	8·7	13	0	25	25·0	...	15·4	21	3·2	-5·5		
	Year . . .	36	62	72	97	96	2,106·2	47	11·7	...	0	...	4·6	...	13·0	I	3·3	-5·4		
PESHAWAR— Lat. 34° 01' Long. 71° 35'	January . . .	...	...	...	...	...	...	...	...	...	...	...	31·1 (e)	...	21·9	14	7·0	...	...
	February . . .	...	...	...	...	...	...	...	...	...	...	...	37·5 (b)	...	30·8	13	7·7	...	...
	March . . .	...	...	...	...	...	...	...	...	...	...	...	44·6 (b)	...	36·1	10	7·0	...	...
	April . . .	...	...	...	...	...	...	...	...	...	...	...	50·6 (b)	...	41·1	6	8·2	...	...
	May . . .	...	...	...	...	...	...	...	...	...	...	...	58·2 (b)	...	51·3	8	11·6	...	...
	June . . .	...	...	...	...	...	...	...	...	...	...	...	66·9 (a)	...	59·6	14	11·1	...	...
	July . . .	...	...	...	...	...	...	...	...	...	...	...	77·9 (c)	...	68·4	3	5·4	...	...
	August . . .	...	...	...	...	...	...	...	...	...	...	...	74·3 (d)	...	70·0	27	3·5	...	...
	September . . .	...	...	...	...	...	...	...	...	...	...	...	67·1 (e)	...	62·7	25	6·3	...	...
	October . . .	...	...	...	...	...	...	...	...	...	...	...	50·1 (b)	...	38·9	28	11·2	...	...
	November . . .	...	...	...	...	...	...	...	...	...	...	...	37·4 (d)	...	31·2	29	12·9	...	...
	December . . .	...	...	...	...	...	...	...	...	...	...	...	33·3 (e)	...	24·8	19	10·2	...	...
	Year . . .	...	...	...	...	...	...	...	...	...	...	...	52·4 (f)	...	21·9	I	8·5	...	...
QUETTA— Lat. 30° 10' Long. 67° 01'	January . . .	0	7	5	9	10	196·4	61	10·6	24	0·8	31	20·9 (g)	...	9·4	6·12	6·1	...	...
	February . . .	4	1	6	6	11	194·1	63	11·4	27	0	4 days	27·8 (e)	...	14·2	1	3·2	...	...
	March . . .	0	4	4	4	19	268·5	73	12·3	27	2·2	20	30·6 (b)	...	16·8	9	5·5	...	...
	April . . .	0	2	8	4	16	249·1	64	13·2	25	0·8	27	38·1 (b)	...	28·0	11	8·9	...	...
	May . . .	0	0	4	2	25	340·6	81	13·9	31	3·1	11	48·3 (d)	...	32·1	22	6·7	...	...
	June . . .	0	0	0	0	30	398·8	95	14·0	7 days	11·0	25	49·4 (d)	...	24·4	28	14·4	...	...
	July . . .	0	0	2	5	24	332·0	78	14·0	1	4·7	28	..(l) (i)	...	..	..	..	..	..
	August . . .	0	0	1	2	28	330·8	82	12·9	29	3·5	1	57·6 (e)	...	..	..	..	..	..
	September . . .	0	0	0	1	29	358·7	97	12·8	1, 2	9·0	9	46·9 (c)	...	36·0	22, 23	6·4	...	...
	October . . .	0	0	0	2	29	345·5	97	11·8	1, 6	7·4	29	31·1 (h)	...	16·7	25	8·4	...	...
	November . . .	0	1	6	3	20	265·6	83	11·0	1, 3, 4	0·5	18	24·5 (d)	...	15·5	27	1·8	...	...
	December . . .	0	1	4	8	18	266·9	84	10·2	11 days	0·4	3	24·3 (d)	...	16·0	9	6·2	...	...
	Year . . .	4	16	40	46	159	3,547·0	80	14·0	0	0	...	...	...	9·4	I	...	...	...

(a) Records for 30 days.
(e) Records for 26 days.
(i) Mean of 17 days.

(b) Records for 29 days.
(f) Mean of 25 days.

(c) Records for 28 days.
(g) Mean of 28 days.

(d) Records for 27 days.
(h) Mean of 22 days.

TABLE VIII—ABSTRACT OF HOURS OF BRIGHT SUNSHINE AND NOCTURNAL RADIATION TEMPERATURE AT 15 STATIONS DURING EACH MONTH AND THE YEAR 1933.

1 Station Latitude and Longitude.	2 Month.	Bright Sunshine.							Nocturnal Radiation Temperature (1½° above ground).								
		No. of days with duration.					8 Total hours for the month.	9 Percentage of possible hours of Sunshine in the month.	Duration in the month.				14 Mean Minimum.	15 Departure from normal.	16 Lowest in the month.		
		3 Nil.	4 0·1 to 3 hours.	5 3·1 to 6 hours.	6 6·1 to 9 hours.	7 Above 9 hours.			10 Hours.	11 Date.	12 Hours.	13 Date.					
DRIGH ROAD (KARACHI)— Lat. 24° 51' Long. 67° 04'	January . . .	0	2	3	9	17	255·1	76	10·0	5 days	1·9	21	45·1	...	32·3	24	...
	February . . .	1	4	2	5	16	215·0	68	10·8	28	0	23	52·8	...	41·8	4	...
	March . . .	0	0	0	5	26	311·1	84	11·0	4 days	6·8	20	55·3	...	43·8	9	...
	April . . .	0	1	0	4	25	302·1	79	11·8	27	2·8	4	69·5	...	62·0	7	...
	May . . .	0	0	0	2	29	336·7	81	11·8	5 days	8·6	25	74·6	...	67·0	1	...
	June . . .	0	1	6	8	15	242·4	59	11·4	17	0·1	27	80·9	...	77·5	10	...
	July . . .	4	13	7	5	1	111·9	27	9·4	1	0	4 days	79·4	...	78·0	17	...
	August . . .	4	10	6	8	3	129·8	32	10·5	29	0	4 days	77·0	...	78·0	12	...
	September . . .	0	2	5	11	12	228·9	62	10·3	80	2·1	14	74·6	...	69·8	28	...
	October . . .	0	0	0	2	20	307·9	86	10·4	6, 7, 10	7·9	8	65·7	...	55·2	28	...
	November . . .	0	1	1	2	26	280·7	81	10·2	4 days	0·5	17	57·7	...	49·4	23	...
	December . . .	0	0	1	5	25	292·1	89	10·3	1	6·0	31	50·8	...	44·2	10	...
JAIPUR— Lat. 26° 55' Long. 75° 50'	Year . . .	9	34	31	60	224	3,014·6	68	11·8	...	0	...	65·3	...	32·3	I	...
	January . . .	0	0	1	7	23	283·6	87	10·2	28, 30	5·4	18	30·2	...	20·9	15	13·3
	February . . .	0	3	4	6	15	226·5	73	10·8	27	1·0	23	41·8	...	26·1	4	11·1
	March . . .	0	0	0	5	26	313·4	86	11·1	16	6·1	23	50·2	...	36·0	1	10·5
	April . . .	1	2	2	8	17	261·1	69	11·8	16	0	12	59·8	...	46·5	8	8·4
	May . . .	1	2	3	4	20	254·1	63	11·7	4, 9	0	16	70·6	...	62·0	1	4·5
	June . . .	2	6	6	12	5	Data not available.	41	11·4	17	0	14, 30	75·0	...	70·3	26	3·5
	July . . .	2	6	6	12	5	172·6	23	11·1	8	0	4 days	73·3	...	71·1	24	2·4
	August . . .	4	15	7	3	2	92·5	41	11·1	5	0·1	19	57·7	...	64·9	13	1·8
	September . . .	2	4	3	7	14	221·3	61	11·7	11	0	24, 25	70·3	...	66·0	28	3·1
	October . . .	0	2	0	0	29	310·9	88	11·1	5	0·1	19	57·7	...	44·8	30	6·0
	November . . .	0	0	1	3	26	293·9	92	10·6	4 days	5·4	20	43·7	...	34·2	29	9·4
BOMBAY— Lat. 18° 54' Long. 72° 49'	December . . .	0	0	1	2	28	300·1	94	10·2	4 days	3·2	20	37·5	...	27·9	18	9·5
	Year . . .	...	...	...	...	...	...	...	...	...	...	...	57·3	...	20·9	I	7·0
	January . . .	0	0	0	4	27	307·4	89	10·4	4 days	8·2	8	...	...	...	...	...
	February . . .	0	0	0	2	26	284·3	88	10·8	21, 22, 28	4·7	24	...	...	...	...	...
	March . . .	0	0	0	0	31	314·3	84	11·4	1	9·1	15	...	...	...	...	...
	April . . .	0	0	0	0	30	331·3	88	11·6	24, 30	10·4	23	...	...	...	...	...
	May . . .	0	2	3	6	20	280·6	70	11·7	26	0·8	15	...	...	...	...	...
	June . . .	4	6	4	8	8	167·3	41	11·4	9	0	4 days	77·0	...	73·6	21	1·9
	July . . .	8	8	5	6	4	111·6	27	10·7	21, 22	0	8 days	76·4	...	73·0	31	2·1
	August . . .	6	6	12	5	2	116·7	30	9·9	30	0	6 days	74·5	...	73·0	2	2·1
	September . . .	3	4	6	11	6	174·6	48	10·1	26, 27	0	11, 17, 18	73·5	...	69·4	26	2·8
	October . . .	0	3	1	11	16	255·6	70	10·6	29, 31	0·1	21	71·0	...	64·2	30	4·9
	November . . .	0	0	0	6	24	290·8	86	10·6	1, 2, 7	6·4	15, 19	65·8	...	61·0	18	8·1
	December . . .	1	0	2	1	27	289·1	85	10·4	4 days	0	19	60·8	...	54·0	31	8·7
	Year . . .	22	29	33	60	221	2,923·6	66	11·7	...	0	...	...	...	...	...	...

(a) Mean of 29 days.

TABLE VIII.—ABSTRACT OF HOURS OF BRIGHT SUNSHINE AND NOCTURNAL RADIATION TEMPERATURE AT 15 STATIONS DURING EACH MONTH AND THE YEAR 1933.

Station Latitude and Longitude.	Month.	Bright Sunshine.												Nocturnal Radiation Temperature ($\frac{1}{2}$ above ground).								
		No. of days with duration.						Total hours for the month.	Percentage of possible hours of Sunshine in the month.	Duration in the month.				Mean Minimum.			Departure from normal.	Lowest in the month.	Date.	Depression below the minimum in shade.	Departure from normal.	
		Nil.	1 to 3 hours.	3 to 6 hours.	6 to 9 hours.	Above 9 hours.	Hours.			Maximum.	Minimum.	Hours.	Date.	Hours.	Date.	Hours.	Date.					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19				
POONA. Lat. $18^{\circ} 31'$ Long. $73^{\circ} 51'$	January . . .	0	0	0	8	23	303.1	88	10.8	25	6.6	8	43.9	...	31.9	25	7.6	...				
	February . . .	0	0	0	2	26	295.2	92	11.2	21	8.1	28	46.5	...	40.8	21	9.1	...				
	March . . .	0	0	0	3	28	325.5	87	11.6	28	7.6	15	51.8	...	43.2	5	9.4	...				
	April . . .	0	0	0	0	30	340.2	90	12.3	27	9.4	21	59.6	...	50.0	9	9.1	...				
	May . . .	0	1	6	8	16	274.9	68	12.2	8	0.5	15	67.3	...	58.1	2	4.4	...				
	June . . .	2	6	7	7	8	181.1	46	11.7	13	0	24	69.5	...	66.1	10	6.0	...				
	July . . .	4	9	8	6	4	128.8	32	11.8	21	0	27	69.3	...	63.8	22	2.4	...				
	August . . .	4	9	7	8	3	136.3	35	11.0	31	0	1	67.1	...	63.0	31	2.8	...				
	September . . .	0	7	7	12	4	178.2	49	11.4	1	0.1	18	66.3	...	59.9	26	2.6	...				
	October . . .	1	3	2	13	12	240.8	66	11.0	30	0	21	62.2	...	47.1	30	3.9	...				
	November . . .	0	1	0	9	20	282.5	84	11.0	1	1.7	19	54.3	...	41.0	30	6.2	...				
	December . . .	1	1	1	6	22	281.4	82	10.7	2	0	19	46.4	...	37.6	3	6.4	...				
	Year . . .	12	37	38	82	196	2,968.0	67	12.3	...	0	...	58.7	...	31.9	1	5.8	...				
BANGALORE. Lat. $12^{\circ} 58'$ Long. $77^{\circ} 35'$	January . . .	0	0	6	16	9	239.4	67	9.9	1	3.3	9	55.2	...	49.6	1	2.7	...				
	February . . .	0	0	1	5	22	259.8	79	10.1	9	4.5	1	57.7	...	51.2	10	3.9	...				
	March . . .	0	1	2	8	20	277.5	74	10.6	10, 30	2.4	28	62.9	...	51.0	9	2.5	...				
	April . . .	0	0	4	6	20	266.0	71	11.0	13	3.1	11	67.2	...	61.2	3	2.8	...				
	May . . .	0	6	10	8	7	193.2	49	11.4	2	0.3	8	67.6	...	65.0	22	1.9	...				
	June . . .	1	7	9	11	2	148.3	38	9.7	7	0	3	65.1	...	61.0	9	1.4	...				
	July . . .	2	16	9	2	2	102.4	26	9.5	10	0	30, 31	64.7	...	62.0	6	1.5	...				
	August . . .	3	7	8	11	2	143.6	37	10.9	27	0	2, 3, 12	64.9	...	62.2	29	1.8	...				
	September . . .	0	10	9	9	2	141.7	39	10.2	24	0.1	5	62.9	...	57.0	25	2.4	...				
	October . . .	1	11	9	6	4	135.7	37	9.7	22	0	17	62.2	...	55.0	21	2.9	...				
	November . . .	0	8	3	16	8	219.9	64	9.9	16	1.9	9, 10	59.9	...	50.0	16	3.1	...				
	December . . .	2	2	2	15	10	225.9	64	9.9	2, 3, 30	0	15, 16	55.9	...	44.1	6	3.2	...				
	Year . . .	9	63	72	113	108	2,353.4	53	11.4	...	0	...	62.2	...	44.1	XII	2.5	...				
MADRAS. Lat. $13^{\circ} 04'$ Long. $80^{\circ} 15'$	January . . .	0	1	3	17	10	247.7	70	9.8	18	2.2	17	64.3	...	59.2	22, 23	5.0	..				
	February . . .	0	0	1	27		284.9	87	11.1	24	8.5	1	63.7	...	58.3	17	4.6	...				
	March . . .	2	1	0	1	27	291.1	78	11.3	20	0	11, 12	67.6	...	60.2	9	3.8	...				
	April . . .	0	0	1	2	27	302.5	81	11.5	13, 22	5.9	11	73.5	...	66.5	1	4.0	...				
	May . . .	0	3	3	6	19	257.8	65	11.1	6.7	1.4	23	78.2	...	75.4	5	2.1	...				
	June . . .	3	4	5	12	6	178.9	46	10.2	25	0	3, 14, 27	79.2	...	74.0	6	2.4	...				
	July . . .	3	8	7	8	5	149.9	38	10.7	22	0	28, 30, 31	77.6	...	71.5	19	2.2	...				
	August . . .	0	5	5	6	15	232.5	60	11.5	27	0.6	8	77.5	...	73.8	14	1.3	...				
	September . . .	1	4	10	10	5	184.2	51	11.3	14	0	5	77.0	...	74.0	4	1.5	...				
	October . . .	6	6	7	7	5	146.1	40	11.2	21	0	6 days	73.6	...	67.9	21	1.9	...				
	November . . .	2	2	2	10	14	223.4	65	11.0	22	0	9, 17	70.5	...	65.8	17	1.9	...				
	December . . .	3	2	3	8	15	230.9	66	10.9	29	0	14, 15, 16	66.6	...	60.8	30	2.3	...				
	Year . . .	20	36	46	88	175	2,729.9	62	11.5	...	0	...	72.4	...	58.3	II	2.7	...				

TABLE VIII.—ABSTRACT OF HOURS OF BRIGHT SUNSHINE AND NOCTURNAL RADIATION TEMPERATURE AT 15 STATIONS DURING EACH MONTH AND THE YEAR 1933.

Station Latitude and Longitude.	Month.	Bright Sunshine.												Nocturnal Radiation Temperature (1½" above ground).							
		No. of days with duration.						Total hours for the month.	Percentage of possible hours of Sunshine in the month.	Duration in the month.			Mean minimum.			Departure from normal.	Lowest in the month	Date.	Depression below minimum in shade.	Departure from normal.	
		No.	3	4	5	6	7			Hours	Date.	Hours	Date.	14	15	16	17	18	19		
	2									10	11	12	13								
KODAIKANAL. Lat. 10° 14'. Long. 77° 28'.	January .	1	1	7	9	13	236.2	65	10.7	18	4.5	28	37.0	...	27.0	25	9.2	...			
	February .	0	0	2	11	15	257.8	78	11.4	28	3.9	5	38.6	...	28.0	10	9.2	...			
	March .	0	0	4	6	21	281.7	78	11.8	21	3.4	12	38.7	...	31.5	11	10.4	...			
	April .	1	0	4	12	13	242.1	65	10.8	19	3.2	10	43.6	...	37.8	21	9.8	...			
	May .	0	11	9	10	1	142.0	37	11.9	1	0.1	28	47.5	...	41.3	1	6.1	...			
	June .	0	10	6	9	5	163.8	43	10.9	25	0.1	17	48.7	...	42.6	26	4.1	...			
	July .	1	11	8	10	1	131.2	33	10.2	11	0.2	24	49.6	...	46.2	14	2.7	...			
	August .	0	11	15	5	0	115.6	30	8.2	27	0.3	2	48.6	...	43.0	12	3.4	...			
	September .	4	6	7	11	2	142.1	39	11.2	23	0.8	29	48.6	...	43.1	14, 24	2.9	...			
	October .	1	14	10	2	4	127.8	35	11.2	20, 23	0.3	30	47.3	...	36.7	21	3.2	...			
	November .	5	8	6	7	1	162.6	46	10.2	16, 23	1.1	3	43.4	...	32.0	28	4.3	...			
	December .	2	3	7	10	9	195.0	54	10.0	30	0.6	16	40.1	...	26.0	5	6.6	...			
	Year .	14	72	87	101	91	2,207.9	50	11.9	...	0.1	...	44.3	...	26.0	XII	6.0	...			
TRIVANDRUM. Lat. 8° 29'. Long. 76° 57'.	January .	0	4	1	11	15	254.3	70	11.0	5 days	1.2	7	62.8	...	59.9	11	13.0	...			
	February .	0	1	3	4	20	252.3	76	11.1	22	2.3	1	57.1	...	51.9	10	17.6	...			
	March .	0	0	1	18	12	269.5	72	10.8	2, 3	5.6	13	59.5	...	52.3	20	17.0	...			
	April .	1	2	7	20	0	189.7	51	9.0	3, 13	0	9	69.0	...	64.6	1	9.5	...			
	May .	3	15	5	7	1	106.0	27	9.7	1	0	27, 28, 29	65.3	...	62.0	29	11.4	...			
	June .	2	10	10	8	0	120.8	32	9.0	7, 25, 27	0	23	64.4	...	62.1	29	10.8	...			
	July .	0	13	9	7	2	128.9	33	9.3	15	0.3	6	63.2	...	60.3	28	11.9	...			
	August .	2	8	11	7	1	126.9	33	9.9	11	0	1, 7	62.4	...	60.2	8	12.5	...			
	September .	1	5	12	11	0	153.1	42	8.8	13, 24	0	4	60.4	...	58.9	5	14.7	...			
	October .	4	8	7	7	5	155.5	42	11.2	23	0	4 days	60.1	...	58.7	15	14.8	...			
	November .	0	4	8	8	10	208.2	59	10.8	30	0.6	8	61.9	...	57.2	29	12.5	...			
	December .	2	4	1	10	14	234.8	65	10.5	4 days	0	11, 12	54.8	...	53.0	31	20.1	...			
	Year .	15	74	75	118	80	2,200.0	50	11.2	...	0	...	61.7	...	51.3	II	18.8	...			
ABADAN— Lat. 30° 21'. Long. 48° 16'.	January .	5	5	4	12	5	162.6	52	9.5	31	0.2	13	...	...	...	...	...	...	...
	February .	2	1	3	11	11	205.3	66	10.2	18, 22	0.3	12		
	March* .	1	2	6	4	13	196.4	65	11.1	23	0.1	12		
	April † .	0	0	3	3	22	277.0	77	12.0	23	4.0	13		
	May ‡ .	0	0	1	4	24	309.3	78	12.3	25, 27	3.9	3		
	June .	0	0	3	0	27	328.8	78	12.5	14, 22	5.5	30		
	July .	0	1	4	5	21	298.7	70	12.4	11	1.8	4		
	August § .	0	0	5	5	20	288.1	74	12.0	28	3.3	1		
	September .	0	0	1	2	27	317.6	86	11.5	2	5.3	20		
	October ‡ .	0	1	0	4	24	273.8	80	10.8	1, 2, 3	1.9	26		
	November .	1	2	1	11	15	239.8	75	9.8	2	2.2	29		
	December .	1	3	6	18	3	209.3	66	9.1	28	1.2	17		
	Year .	10	15	37	79	212	3,106.7	70	12.5	...	0.1	

(§) Records for 30 days.

(‡) Records for 29 days.

(†) Records for 28 days.

(¶) Records for 26 days.

TABLE IX.—MEAN HOURLY WIND VELOCITY FOR THE YEAR 1933.

Month.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
LAHORE (28 FEET).																								
January . . .	2	2	2	2	2	2	2	2	2	3	4	5	5	6	5	5	5	4	2	1	1	1	1	1
February . . .	2	2	3	2	3	3	3	3	3	4	5	5	5	5	5	5	5	5	3	1	1	1	1	2
March . . .	3	3	4	4	4	4	4	4	5	5	5	6	6	6	6	6	6	4	2	2	2	2	3	3
April . . .	4	4	4	4	4	4	4	5	5	6	6	6	7	6	6	7	7	5	3	2	2	3	3	4
May . . .	2	2	3	3	3	3	3	4	5	5	5	6	6	5	5	5	5	4	4	2	1	2	2	2
June . . .	3	3	3	3	3	3	3	3	5	5	6	7	7	6	6	5	5	4	3	2	1	2	2	3
July . . .	4	4	4	4	4	4	4	5	5	6	6	6	6	5	5	5	5	5	4	3	3	4	4	4
August . . .	2	2	2	3	3	3	3	3	5	5	6	6	6	5	5	5	5	4	3	3	2	2	2	2
September . . .	1	1	1	1	2	2	2	2	3	3	4	4	3	3	4	3	3	3	2	1	1	1	1	1
October . . .	2	2	3	3	3	3	3	4	4	4	5	5	5	5	4	4	4	2	0	0	0	1	1	2
November . . .	2	2	3	3	3	3	3	3	3	4	3	4	4	4	4	3	1	0	0	0	0	1	1	2
December . . .	1	2	2	2	2	2	2	2	2	3	3	4	4	4	4	4	1	0	0	0	0	0	1	1
Year . . .	2	2	3	3	3	3	3	3	4	4	5	5	5	5	5	5	5	4	3	2	1	1	2	2
MADRAS (50 FEET).																								
January . . .	12	12	11	11	11	11	10	10	10	11	12	12	13	13	13	13	13	13	13	13	13	13	13	12
February . . .	9	8	7	7	7	6	6	5	4	5	6	7	8	9	9	9	9	9	9	9	9	9	9	9
March . . .	8	7	6	6	5	5	5	5	5	5	6	8	9	10	10	10	9	9	9	9	9	9	9	8
April . . .	8	7	7	7	7	6	6	6	7	7	8	9	10	11	11	11	11	11	10	10	10	10	10	9
May . . .	9	8	7	7	6	6	6	7	7	8	9	9	10	11	12	12	12	12	11	11	11	11	10	9
June . . .	11	11	10	10	10	10	10	11	13	13	14	14	14	14	15	14	14	14	14	14	14	13	13	11
July . . .	9	10	9	9	9	9	9	10	11	13	13	13	12	13	12	11	11	11	10	10	11	11	10	10
August . . .	11	11	9	9	9	9	8	8	9	11	11	12	13	12	13	14	13	12	11	11	11	11	11	11
September . . .	10	10	10	10	10	10	9	10	11	12	13	14	13	13	12	13	12	12	11	10	11	11	11	10
October . . .	7	7	7	7	7	8	8	8	8	8	9	10	10	11	12	12	11	11	10	10	9	9	8	8
November . . .	11	10	9	10	10	10	10	10	10	11	12	13	13	14	14	14	14	13	14	13	12	12	11	11
December . . .	13	13	12	12	12	11	11	10	11	12	13	14	14	15	15	15	15	15	15	15	15	14	14	14
Year . . .	10	9	9	9	9	9	8	8	8	9	10	11	11	12	12	12	12	12	11	11	11	11	11	10
KODAIKANAL (42 FEET)																								
January . . .	8	8	8	8	8	7	7	8	9	10	10	10	9	8	8	7	6	5	5	6	6	7	8	8
February . . .	7	8	7	7	7	7	7	7	7	7	8	9	8	8	7	7	5	4	3	3	4	6	6	7
March . . .	6	7	7	7	6	7	7	7	8	9	10	10	10	10	8	7	6	4	3	3	4	4	4	5
April . . .	6	7	6	7	7	7	6	6	7	7	8	8	8	7	7	6	6	5	4	5	5	6	6	
May . . .	7	7	7	7	7	6	6	6	7	7	6	7	7	7	7	7	6	6	7	7	8	8	6	
June . . .	12	12	15	13	13	13	13	13	13	12	10	9	9	10	10	9	8	9	10	10	11	11	12	13
July . . .	14	15	15	15	15	15	14	13	14	12	12	13	13	12	12	11	11	11	12	13	13	14	15	15
August . . .	10	10	10	10	9	9	9	9	8	8	9	9	10	10	10	10	9	10	9	10	9	9	10	10
September . . .	10	9	9	10	9	9	9	10	8	8	8	8	9	9	9	9	10	10	9	8	9	10	9	9
October . . .	4	5	5	5	5	5	5	5	4	4	4	5	5	4	4	4	4	4	3	3	4	4	4	4
November . . .	9	9	9	9	9	9	9	9	9	9	9	9	9	9	8	7	7	7	7	8	8	9	9	9
December . . .	7	7	7	6	7	7	6	6	5	5	5	5	6	6	5	5	5	5	6	6	7	6	6	6
Year . . .	8	9	9	9	9	9	8	8	8	8	8	9	9	8	8	7	7	7	6	7	7	8	8	8

TABLE X.—NUMBER OF DAYS IN EACH MONTH ON WHICH THE NILGIRIS
WERE VISIBLE IN 1933.

Month.	Very clear.	Visible.	Just visible.	Top only visible.	Total.
January	2	12	3	2	19
February	2	4	1	..	7
March . . . . . . . .	..	1	..	4	5
April	4	..	3	1	8
May	13	2	4	2	21
June . . . . . . . .	..	1	5	1	7
July . . . . . . . .	..	..	2	5	7
August	1	3	1	6	11
September . . . . . . . .	..	3	2	3	8
October	3	8	..	10	21
November . . . . . . . .	..	7	..	6	13
December . . . . . . . .	..	11	1	4	16
Year	25	52	22	44	143

Tables XI to XVI—Tables of rainfall, rainy days and of heavy rain for 1933 based on the data of over 3,100 raingauge stations.

TABLE XI.—AVERAGE OVER THE 15 CHIEF POLITICAL DIVISIONS OF THE

DIVISION.	JANUARY.			FEBRUARY.			MARCH.			APRIL.			MAY			JUNE.		
	Actual.		Departure from normal.	Actual.		Departure from normal.	Actual.		Departure from normal.	Actual.		Departure from normal.	Actual.		Departure from normal.	Actual.		
			Percentage departure from normal.			Percentage departure from normal.			Percentage departure from normal.			Percentage departure from normal.			Percentage departure from normal.			Percentage departure from normal.
Burma	0·03	-0·08	-73	0·05	-0·17	-77	0·13	-0·34	-72	1·26	-0·06	-5	11·61	+2·87	+33	18·16	+2·23	+14
Assam	0·42	-0·26	-38	1·14	-0·39	-25	0·64	-3·31	-84	7·57	-1·46	-16	11·36	-0·65	-5	18·42	+0·75	+1
Bengal	0·46	+0·12	+35	1·29	+0·34	+30	0·19	-1·48	-89	4·97	+1·69	+52	7·92	+0·23	+3	15·58	+0·94	+6
Bihar and Orissa	1·44	+0·93	+182	1·46	+0·55	+60	0·13	-0·59	-82	1·74	+0·94	+117	4·11	+1·64	+66	8·67	+0·17	+2
United Provinces	0·41	-0·38	-48	0·74	+0·02	+3	0·20	-0·26	-57	1·06	+0·81	+324	1·62	+0·94	+188	7·44	+3·05	+69
Punjab	0·19	-0·88	-81	0·68	-0·21	-24	1·00	+0·17	+20	0·42	-0·12	-22	1·14	+0·57	+100	2·89	+0·66	+38
North-West Frontier Province	0·74	-0·54	-42	0·90	-0·29	-24	1·95	+0·06	+3	1·27	-0·27	-18	0·92	+0·15	+19	1·88	+1·02	+119
Sind	0·02	-0·21	-91	0·12	-0·17	-59	0·10	-0·13	-57	0·14	+0·03	+27	0·24	+0·09	+60	0·08	-0·39	-83
Rajputana	0	-0·30	-100	0·26	-0·01	-4	0·11	-0·09	-45	0·78	+0·62	+387	1·06	+0·56	+112	6·94	+4·68	+207
Bombay	0·02	-0·10	-83	0·09	+0·01	+18	0·14	+0·03	+27	0·59	+0·20	+51	3·19	+2·13	+201	10·07	+1·35	+15
Central India	0·08	-0·38	-83	0·33	-0·06	-15	0·19	-0·03	-14	0·66	+0·49	+288	1·20	+0·82	+174	7·22	+2·41	+49
Central Provinces	0·33	-0·18	-85	2·00	+1·20	+150	0·48	-0·05	-9	0·85	+0·38	+81	3·21	+2·55	+386	8·75	+0·87	+11
Hyderabad	0·26	+0·08	+47	0·60	+0·35	+140	0·57	+0·18	+46	0·85	+0·20	+31	2·68	+1·81	+208	9·39	+4·44	+90
Mysore	0	-0·12	-100	0·11	-0·02	-15	0·35	+0·04	+13	1·60	+0·14	+10	7·02	+3·44	+96	4·63	-0·17	-4
Madras	0·09	-0·65	-88	0·21	-0·23	-52	1·14	+0·43	+61	2·25	+0·48	+27	9·40	+6·88	+167	8·87	+0·92	+12
Mean of India	0·27	-0·19	-41	0·68	+0·08	+16	0·43	-0·26	-38	1·58	+0·32	+26	5·02	+1·88	+60	9·66	+1·71	+22

MONTHLY AND ANNUAL RAINFALL, WITH ITS DEPARTURE FROM NORMAL IN 1933.

JULY.		AUGUST.		SEPTEMBER.		OCTOBER.		NOVEMBER.		DECEMBER.		YEAR.								
Actual.	Departure from normal.	Actual.	Departure from normal.	Actual.	Departure from normal.	Actual.	Departure from normal.	Actual.	Departure from normal.	Actual.	Departure from normal.	Actual.	Departure from normal.							
16.14	-1.11	-6	14.63	-2.26	-13	12.41	+0.21	+2	5.93	-0.56	-9	1.20	-1.00	-45	0.09	-0.40	-82	81.64	-0.67	-1
17.26	-1.42	-8	18.66	+1.77	+10	9.74	-2.84	-23	4.83	-0.86	-15	0.41	-0.52	-56	0.09	-0.27	-75	90.54	-9.96	-10
15.95	+0.94	+6	19.55	+5.36	+38	11.03	+0.20	+2	4.53	-0.55	-11	0.08	-0.72	-90	0.01	-0.15	-94	81.56	+6.92	+9
14.60	+2.05	+16	16.51	+3.65	+28	8.11	-0.52	-6	3.70	+0.60	+19	0.16	-0.41	-72	0.15	+0.01	+7	60.78	+9.02	+17
9.23	-2.27	-20	10.19	-1.01	-9	7.06	+0.67	+10	3.52	+2.18	+163	0.01	-0.16	-94	0.03	-0.26	-90	41.51	+8.33	+9
5.71	+0.36	+7	10.19	+4.76	+88	6.50	+3.72	+134	0.30	-0.01	-3	0.06	-0.06	-50	0.04	-0.35	-90	28.62	+8.66	+43
2.89	+0.31	+12	5.87	+2.71	+86	1.49	+0.31	+26	0.11	-0.22	-67	0.02	-0.26	-93	0.10	-0.44	-81	18.14	+2.54	+16
4.29	+1.80	+72	3.22	+1.31	+69	1.26	+0.64	+103	0	-0.05	-100	0	-0.06	-100	0	-0.08	-100	9.47	+2.78	+42
4.42	-2.35	-35	10.30	+3.47	+51	6.11	+2.80	+85	0.51	+0.06	+13	0.33	+0.20	+154	0.07	-0.10	-59	30.89	+9.54	+45
12.64	-2.20	-15	14.99	+5.46	+57	10.95	+4.46	+69	3.80	+1.24	+48	0.73	-0.02	-3	0.71	+0.53	+294	57.92	+13.09	+29
9.75	-1.45	-13	12.19	+0.48	+4	10.28	+4.66	+83	1.19	+0.23	+24	0.37	-0.06	-14	0.17	-0.02	-11	43.82	+7.00	+19
14.72	+1.56	+12	14.72	+2.42	+20	11.63	+4.35	+61	2.25	+0.30	+15	0.35	-0.14	-29	0.42	+0.10	+31	59.61	+13.36	+29
7.38	+0.21	+8	6.85	+0.06	+1	8.10	+0.61	+8	3.94	+1.32	+50	1.31	+0.40	+44	1.52	+1.23	+424	43.44	+10.89	+38
7.67	+0.52	+7	8.69	+8.46	+66	6.69	+1.51	+29	9.65	+4.35	+82	0.58	-1.84	-76	1.74	+1.29	+287	48.73	+12.60	+35
9.12	+0.86	+10	8.78	+2.05	+81	7.50	+1.47	+24	9.36	+1.62	+21	4.23	-1.75	-29	2.99	+0.90	+43	63.89	+11.97	+23
10.5	-0.32	-3	12.86	+1.99	+19	8.76	+1.72	+24	3.78	+0.51	+16	0.84	-0.45	-85	0.55	+0.08	+17	54.78	+7.07	+5

TABLE XII—AVERAGE OVER THE 33 SUB-DIVISIONS OF THE MONTHLY AND ANNUAL

SUB-DIVISION.	JANUARY.					FEBRUARY.					MARCH.				
	RAINY DAYS.		RAINFALL.			RAINY DAYS.		RAINFALL.			RAINY DAYS.		RAINFALL.		
	Actual.	Departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.
1. Bay Islands . . .	0·5	-0·8	0·09	-1·11	-93	1·0	+0·3	0·23	-0·26	-53	0·5	-0·2	0·16	-0·29	-64
2. Lower Burma . . .	0·1	-0·2	0·02	-0·09	-82	0·1	-0·2	0·06	-0·16	-73	0·4	-0·3	0·23	-0·30	-57
3. Upper Burma . . .	0·1	-0·2	0·03	-0·08	-73	0·1	-0·5	0·04	-0·18	-82	0·1	-0·9	0·04	-0·38	-90
4. Assam . . .	1·5	-0·1	0·42	-0·26	-38	2·9	-0·5	1·14	-0·39	-25	1·6	-4·7	0·64	-3·31	-84
5. Bengal . . .	1·1	+0·4	0·46	+0·12	+35	2·4	+0·8	1·29	+0·34	+36	0·5	-2·0	0·19	-1·48	-89
6. Orissa . . .	1·5	+0·7	1·03	+0·58	+129	3·5	+1·7	2·40	+1·24	+107	0·6	-1·3	0·24	-0·84	-78
7. Chota Nagpur . . .	3·1	+1·7	2·51	+1·76	+235	5·1	+3·0	2·41	+1·27	+111	1·0	-0·8	0·24	-0·67	-74
8. Bihar . . .	2·1	+1·2	1·12	+0·69	+160	1·6	+0·1	0·55	-0·14	-20	0·1	-0·9	0·04	-0·44	-92
9. United Provinces, East .	0·8	-0·6	0·45	-0·18	-29	2·0	+0·7	0·72	+0·17	+31	0·4	-0·4	0·13	-0·19	-59
10. Do. do West .	1·0	-0·9	0·38	-0·55	-59	1·9	+0·3	0·75	-0·11	-13	0·8	-0·5	0·26	-0·33	-6
11. Punjab, East and North .	0·7	-1·5	0·24	-0·96	-80	1·8	-0·2	0·86	-0·15	-15	2·3	+0·4	1·25	+0·35	+39
12. Do. Southwest .	0·3	-0·9	0·07	-0·43	-86	0·5	-0·8	0·15	-0·38	-72	0·9	-0·7	0·27	-0·37	-58
13. Kashmir . . .	4·5	-0·6	2·72	-0·92	-25	5·7	+0·7	3·74	+0·22	+6	7·2	+0·8	5·95	+1·37	+30
14. North West Frontier Province .	2·0	-0·4	0·74	-0·54	-42	2·2	-0·4	0·90	-0·29	-24	4·0	+0·3	1·95	+0·06	+3
15. Baluchistan . . .	1·6	-1·0	0·73	-0·48	-40	3·5	+1·0	1·31	+0·11	+9	2·3	-0·6	0·94	-0·32	-25
16. Sind . . .	0·1	-0·5	0·02	-0·21	-91	0·4	-0·3	0·12	-0·17	-50	0·3	-0·2	0·10	-0·13	-57
17. Rajputana, West .	0	-0·5	0	-0·19	-100	1·0	+0·5	0·32	+0·09	+39	0·4	-0·1	0·16	-0·02	-11
18. Do. East . . .	0	-0·9	0	-0·36	-100	0·9	+0·2	0·23	-0·06	-21	0·3	-0·3	0·07	-0·15	-68
19. Gujarat . . .	0	-0·2	0	-0·09	-100	0·5	+0·3	0·20	+0·10	+100	0·1	-0·1	0·05	-0·02	-29
20. Central India, West .	0·1	-0·7	0·02	-0·37	-95	0·7	0	0·14	-0·16	-53	0·3	-0·1	0·09	-0·08	-47
21. Do. do. East .	0·3	-1·1	0·25	-0·43	-63	2·4	+0·9	0·95	+0·25	+36	2·0	+1·0	0·50	+0·10	+25
22. Berar . . .	0·4	-0·3	0·11	-0·28	-72	1·0	+0·3	0·40	+0·04	+11	0·8	+0·1	0·23	-0·10	-30
23. Central Provinces, West .	0·3	-0·8	0·10	-0·55	-85	3·0	+1·7	1·49	+0·80	+116	1·8	+0·6	0·66	+0·10	+18
24. Do. do. East .	1·2	+0·3	0·61	+0·15	+33	5·6	+3·8	3·23	+2·12	+191	1·4	+0·1	0·47	-0·14	-23
25. Konkan . . .	0	-0·2	0	-0·10	-100	0	-0·1	0·01	-0·04	-80	0·2	+0·1	0·06	0	0
26. Mumbai Deccan . .	0·1	-0·2	0·04	-0·11	-73	0·1	-0·1	0·04	-0·03	-56	0·6	+0·3	0·22	+0·07	+47
27. Hyderabad, North .	0·0	+0·6	0·38	+0·22	+137	2·0	+1·6	0·59	+0·34	+136	1·9	+1·2	0·49	+0·12	+32
28. Do. South . . .	0·2	-0·1	0·10	-0·08	-44	1·4	+0·9	0·01	+0·37	+154	1·7	+1·0	0·65	+0·23	+55
29. Mysore . . .	0	-0·2	0	-0·12	-100	0·8	+0·1	0·11	-0·02	-15	0·8	+0·2	0·35	+0·04	+13
30. Malabar . . .	0·1	-1·1	0·06	-0·82	-98	0·8	-0·1	0·42	-0·13	-24	2·6	+0·2	1·42	-0·02	-1
31. Madras, Southeast .	0·8	-1·0	0·10	-0·89	-90	0·8	-0·4	0·18	-0·29	-62	1·5	+0·7	1·60	+1·18	+231
32. Do. Deccan . . .	0	-0·3	0	-0·20	-100	0·4	+0·2	0·13	-0·01	-7	0·5	+0·2	0·20	-0·01	-5
33. Do. Coast, North .	0·8	-0·2	0·15	-0·23	-61	0·1	-0·5	0·07	-0·33	-83	0·6	-0·2	0·26	-0·25	-40

RAINFALL AND NUMBER OF RAINY DAYS WITH THEIR DEPARTURES FROM NORMAL IN 1933.

APRIL.				MAY.				JUNE.				JULY.							
RAINY DAYS.	RAINFALL.																		
Actual.	Departure from normal.																		
3·5	+1·0	1·92	+0·37	+24	13·5	+0·2	9·05	-3·26	-26	23·5	+5·0	24·93	+7·71	+45	25·5	+7·0	15·87	+1·49	+10
2·4	+0·5	1·94	+0·56	+41	16·9	-1·7	12·29	+0·21	+2	24·9	+2·7	31·28	+5·76	+23	24·6	+0·5	26·60	-2·73	-9
2·1	-0·4	0·68	-0·50	-46	12·5	+4·5	11·04	+5·11	+86	10·3	-0·6	7·13	-0·75	-10	11·1	+0·8	7·35	+0·25	+4
10·2	-1·8	7·57	-1·46	-46	14·2	+0·2	11·36	-0·65	-5	18·0	+0·2	18·42	+0·25	+1	17·9	-1·2	17·26	-1·42	-8
5·1	+0·6	4·97	+1·69	+52	9·9	+1·1	7·92	+0·23	+3	15·1	+0·7	15·58	+0·94	+6	16·7	+0·1	15·95	+0·94	+6
2·1	-0·4	1·10	-0·27	-20	8·7	+3·8	5·86	+2·58	+79	11·6	+0·1	11·20	+1·37	+14	18·2	+3·0	15·93	+2·95	+23
3·7	+2·2	1·48	+0·81	+121	5·6	+1·9	3·19	+1·12	+54	13·4	+2·8	9·29	+0·49	+6	17·9	+2·7	13·37	+0·50	+4
3·5	+2·4	2·16	+1·57	+266	4·8	+1·6	3·71	+1·43	+63	8·7	+0·1	7·20	-0·54	-7	13·8	+0·4	14·51	+2·30	+19
2·7	+2·2	1·37	+1·18	+621	3·2	+1·9	1·56	+0·88	+129	7·7	+2·2	4·71	-0·69	-2	10·7	-1·9	7·63	-3·95	-34
1·7	+0·9	0·70	+0·49	+163	3·8	+2·3	1·67	+1·00	+149	8·9	+4·1	9·83	+5·79	+143	11·9	+0·5	10·63	-0·80	-7
1·3	+0·1	0·43	-0·12	-22	3·3	+1·9	1·29	+0·67	+108	3·5	+0·6	2·87	+0·84	+41	7·4	+0·7	6·94	+0·68	+11
1·2	-0·1	0·39	-0·13	-25	2·2	+1·2	0·70	+0·28	+67	1·7	+0·3	0·96	+0·15	+19	2·7	-0·4	1·83	-0·65	-26
6·1	+0·4	3·38	-0·13	-4	2·6	-1·2	1·24	-0·73	-37	3·9	-0·4	2·38	-0·12	-5	9·4	+1·7	8·34	+1·24	+17
3·5	+0·3	1·27	-0·27	-18	2·0	+0·3	0·92	+0·15	+19	1·8	+0·2	1·88	+1·02	+119	3·6	0	2·89	+0·31	+12
2·3	+0·6	0·93	+0·23	+33	1·8	+1·1	0·62	+0·33	+114	0·3	-0·3	0·10	-0·20	-67	3·6	+2·0	1·94	+0·98	+102
0·6	+0·3	0·14	+0·03	+27	0·9	+0·6	0·24	+0·09	+60	0·1	-0·6	0·08	-0·30	-83	3·8	+1·3	4·29	+1·80	+72
1·1	+0·7	0·55	+0·39	+244	1·9	+1·0	0·71	+0·28	+65	2·3	+0·3	2·01	+0·71	+55	4·0	-0·5	2·03	-1·40	-51
2·1	+1·7	0·91	+0·75	+469	3·4	+2·1	1·25	+0·71	+131	7·2	+3·2	9·50	+6·82	+246	8·8	-1·1	5·71	-2·86	-33
0·4	+0·3	0·19	+0·16	+533	3·0	+2·4	2·11	+1·78	+539	4·8	-0·7	4·79	-0·36	-7	10·0	-2·6	9·47	-3·17	-25
1·5	+1·2	0·52	+0·37	+247	2·9	+1·8	1·19	+0·71	+148	8·3	+2·3	8·25	+3·36	+69	10·4	-1·4	10·29	-0·37	-3
3·0	+2·5	1·12	+0·88	+367	4·4	+3·3	1·64	+1·18	+257	7·5	+1·8	4·27	-0·70	-14	11·9	-2·0	7·98	-5·00	-39
0·8	+0·1	0·27	+0·03	+13	5·7	+4·6	2·32	+1·78	+330	11·6	+3·6	8·14	+2·08	+34	11·9	-0·3	8·60	-0·57	-6
2·1	+1·4	0·87	+0·57	+190	7·1	+5·7	3·57	+3·01	+537	10·4	+1·8	5·93	-1·40	-19	14·1	-0·7	14·87	+1·53	+11
2·9	+1·3	1·16	+0·42	+57	6·9	+5·1	3·45	+2·65	+331	13·8	+3·8	11·18	+1·88	+20	18·0	+1·8	18·01	+2·77	+18
1·1	+0·4	0·73	+0·35	+92	6·1	+4·2	5·22	+3·63	+228	21·8	+3·4	31·39	+6·02	+24	23·1	-2·8	36·45	-2·48	6
1·3	0	0·79	+0·17	+27	5·5	+3·1	3·17	+1·83	+137	9·1	+1·2	6·03	+0·83	+16	9·2	-2·0	6·35	-1·46	-19
2·4	+1·2	0·82	+0·31	+61	6·4	+4·8	2·93	+2·20	+301	13·2	+5·3	10·06	+4·55	+88	12·5	+0·7	8·59	+0·50	+7
1·9	+0·2	0·89	+0·08	+10	4·3	+2·1	2·39	+1·37	+134	11·1	+4·2	8·64	+4·31	+100	12·0	+1·3	6·03	-0·21	-3
3·2	+0·5	1·60	+0·14	+10	10·5	+4·9	7·02	+3·44	+96	6·8	-0·4	4·63	-0·17	-4	10·8	+1·1	7·67	+0·52	+7
7·4	+1·8	4·98	+1·21	+32	17·8	+9·0	28·20	+20·98	+291	23·5	+3·2	28·95	+5·25	+22	22·1	+2·3	25·30	+3·17	+14
2·6	+0·6	1·70	+0·41	+32	4·9	+1·1	3·22	+0·68	+27	1·9	-1·0	0·76	-0·80	-51	8·2	-0·6	1·60	-0·59	-27
1·7	+0·5	0·77	+0·15	+24	4·8	+1·8	2·90	+1·25	+76	3·1	-1·3	1·23	-1·14	-48	6·8	+0·5	3·43	+0·22	+7
1·6	0	0·94	-0·01	-1	4·6	+1·4	3·31	+1·20	+57	7·6	+0·8	5·21	+0·28	+6	11·7	+1·7	7·84	+1·21	+18

TABLE XII—AVERAGE OVER THE 33 SUB-DIVISIONS OF THE MONTHLY AND ANNUAL

SUB-DIVISION.	AUGUST.						SEPTEMBER.						OCTOBER.					
	RAINY DAYS.		RAINFALL.				RAINY DAYS.		RAINFALL.				RAINY DAYS.		RAINFALL.			
	Actual.	Departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.		Actual.	Departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.		Actual.	Departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	
1. Bay Islands . . .	12.5	-5.2	12.43	-0.65	-5	19.5	+1.7	27.69	+12.99	+88	15.0	+2.1	10.39	+1.61	+1.61	+18		
2. Lower Burma . . .	19.5	-4.3	20.29	-6.85	-25	17.5	-1.0	19.19	+1.85	+11	10.5	+0.2	7.07	-0.63	-0.63	-8		
3. Upper Burma . . .	12.8	+1.1	9.87	+1.59	+19	10.1	-0.6	6.72	-1.16	-15	6.5	-0.9	4.97	-0.61	-0.61	-9		
4. Assam	16.8	-1.1	18.66	+1.77	+10	10.8	-3.0	9.74	-2.84	-23	6.5	-0.2	4.83	-0.86	-0.86	-15		
5. Bengal	19.2	+2.7	19.55	+5.36	+38	12.4	+0.3	11.03	+0.20	+2	5.6	+0.3	4.53	-0.55	-0.55	-11		
6. Orissa	15.8	+0.2	19.27	+6.25	+48	13.0	+1.2	11.71	+2.78	+31	7.5	+2.0	6.29	+1.53	+1.53	+32		
7. Chota Nagpur . . .	18.8	+2.4	15.75	+1.94	+14	10.2	+0.1	8.10	+0.07	+1	4.5	+0.7	2.87	-0.05	-0.05	-2		
8. Bihar	17.0	+3.7	15.55	+3.17	+26	9.3	+0.3	6.37	-2.38	-27	3.6	+0.9	2.88	+0.45	+0.45	+19		
9. United Provinces, East .	12.0	-0.8	9.46	-1.89	-17	8.0	+0.6	5.76	-1.13	-16	2.9	+1.2	3.45	+1.57	+1.57	+84		
10. Do. do. West .	12.4	+1.0	10.83	-0.24	-2	9.5	+3.5	8.20	+2.25	+38	3.2	+2.3	3.58	+2.70	+2.70	+807		
11. Punjab, East and North .	12.0	+5.3	11.34	+4.95	+77	7.2	+3.9	8.16	+4.82	+144	0.8	+0.2	0.40	+0.02	+0.02	+5		
12. Do. Southwest .	8.1	+5.0	6.76	+4.20	+164	2.6	+1.2	1.52	+0.40	+36	0	-0.2	0	-0.10	-0.10	-100		
13. Kashmir	11.5	+3.0	9.68	+1.97	+26	5.4	+1.5	3.39	-0.17	-5	2.2	+0.5	1.16	+0.11	+0.11	+10		
14. North West Frontier Province	6.0	+2.9	5.87	+2.71	+86	2.5	+0.6	1.49	+0.31	+26	0.3	-0.4	0.11	-0.22	-0.22	-67		
15. Baluchistan	2.3	+0.7	1.13	+0.17	+18	0.3	-0.1	0.20	-0.05	-20	0	-0.3	0	-0.15	-0.15	-100		
16. Sind	2.6	+0.3	3.22	+1.81	+69	2.1	+1.3	1.26	+0.64	+103	0	0	0	-0.05	-0.05	-100		
17. Rajputana, West .	9.5	+4.5	8.53	+4.49	+111	2.6	+0.2	1.62	-0.40	-20	0.2	-0.2	0.03	-0.28	-0.28	-90		
18. Do. East	14.3	+4.5	11.25	+2.92	+35	8.5	+3.6	8.51	+4.51	+113	1.1	+0.4	0.77	+0.24	+0.24	+45		
19. Gujarat	14.6	+3.8	16.94	+8.80	+108	8.9	+3.2	8.43	+3.78	+81	1.0	-0.2	0.50	-0.41	-0.41	-45		
20. Central India, West .	14.4	+2.4	13.48	+2.26	+20	9.1	+2.7	10.91	+5.61	+106	1.3	+0.2	0.91	+0.09	+0.09	+11		
21. Do. do. East . . .	11.8	-2.4	7.94	-5.35	-40	9.1	+1.4	8.24	+1.56	+23	2.6	+0.9	2.18	+0.70	+0.70	+49		
22. Berar	13.4	+3.1	9.98	+3.03	+44	12.1	+4.3	11.78	+5.94	+102	4.4	+2.1	2.67	+1.09	+1.09	+60		
23. Central Provinces, West .	15.9	+1.5	15.69	+2.91	+23	12.2	+2.9	12.24	+4.64	+61	3.3	+0.9	2.43	+0.61	+0.61	+34		
24. Do. do. East . . .	16.0	+0.2	16.62	+1.71	+11	12.4	+2.6	10.86	+8.26	+48	3.0	+0.1	1.88	-0.38	-0.38	-17		
25. Konkan	19.5	-4.8	28.91	+5.10	+21	17.2	+2.1	19.62	+7.20	+58	10.1	+4.5	6.98	+2.68	+2.68	+61		
26. Bombay Deccan . . .	11.3	+1.9	8.88	+3.41	+68	10.6	+2.4	9.55	+3.94	+70	7.2	+2.7	4.85	+1.84	+1.84	+61		
27. Hyderabad, North . . .	10.9	+0.1	7.20	-0.03	0	11.4	+1.5	10.65	+2.55	+31	4.6	+1.3	2.56	+0.26	+0.26	+11		
28. Do. South	8.1	-2.1	6.45	+0.14	+2	7.6	-2.0	5.26	-1.56	-23	5.5	+1.2	5.67	+2.65	+2.65	+88		
29. Mysore	11.5	+2.8	8.69	+3.46	+66	8.5	+0.4	6.69	+1.51	+20	12.6	+4.8	9.65	+4.35	+4.35	+82		
30. Malabar	18.0	+1.9	15.78	+3.21	+26	20.9	+9.5	15.97	+8.14	+104	15.9	+2.5	14.06	+2.92	+2.92	+26		
31. Madras, Southeast .	7.6	+2.2	5.92	+2.30	+64	5.0	-1.1	3.38	-1.17	-26	10.1	+1.3	7.23	+0.12	+0.12	+2		
32. Do. Deccan	9.2	+2.6	7.19	+3.28	+84	4.2	-3.7	8.65	-2.10	-37	7.6	+1.9	5.00	+0.88	+0.88	+20		
33. Do. Coast, North . . .	9.7	-0.5	6.99	-0.10	-1	8.6	-0.8	7.58	+0.54	+8	9.1	+2.0	9.97	+3.28	+3.28	+48		

RAINFALL AND NUMBER OF RAINY DAYS WITH THEIR DEPARTURES FROM NORMAL IN 1933.

NOVEMBER.						DECEMBER.						YEAR.							
RAINY DAYS.	RAINFALL.			RAINY DAYS.	RAINFALL.			RAINY DAYS.	RAINFALL.			RAINY DAYS.	RAINFALL.			RAINY DAYS.	RAINFALL.		
Actual.	Departure from normal.	Actual.	Departure from normal.	Actual.	Departure from normal.	Actual.	Departure from normal.	Actual.	Departure from normal.	Actual.	Departure from normal.	Actual.	Departure from normal.	Actual.	Departure from normal.	Actual.	Departure from normal.	Actual.	Departure from normal.
7.0	-2.5	7.15	-0.48	-6	4.5	-0.5	2.23	-2.41	-52	126.5	+8.1	112.14	+15.75	+16					
2.5	-0.9	1.83	-0.80	-30	0.1	-	0.04	-0.48	-92	113.5	-5.4	120.84	-3.66	-3					
1.4	-1.6	0.67	-1.17	-64	0.3	-0.5	0.13	-0.33	-72	67.4	+0.3	48.67	+1.80	+4					
1.0	-0.5	0.41	-0.52	-56	0.3	-0.5	0.09	-0.27	-75	101.7	-13.2	90.54	-9.96	-10					
0.1	-0.9	0.08	-0.72	-90	0	-0.3	0.01	-0.15	-94	88.1	+8.8	81.56	+6.92	+9					
0.9	-0.6	0.58	-0.78	-57	0.6	+0.2	0.34	+0.13	+62	84.0	+10.7	75.95	+17.52	+30					
0.2	-0.5	0.08	-0.31	-79	0.4	+0.1	0.23	+0.09	+64	83.9	+16.3	59.52	+7.02	+18					
0	-0.4	0	-0.28	-100	0	-0.2	0	-0.10	-100	64.5	+9.2	54.04	+5.73	+12					
0	-0.4	0	-0.19	-100	0	-0.4	0	-0.22	-100	50.4	+4.3	35.24	-4.04	-10					
0.1	-0.2	0.02	-0.13	-87	0.2	-0.5	0.05	-0.30	-86	55.4	+12.8	46.99	+9.77	+26					
0.3	0	0.08	-0.05	-38	0.1	-0.8	0.04	-0.4	-91	40.7	+10.6	33.90	+10.65	+46					
0	-0.2	0	-0.08	-100	0.2	-0.3	0.04	-0.18	-82	20.4	+4.1	12.69	+2.71	+27					
0.9	0	0.31	-0.16	-34	0.2	-2.9	0.06	-1.87	-96	59.6	+8.5	42.87	+0.81	+2					
0.1	-0.4	0.02	-0.26	-93	0.4	-0.7	0.10	-0.44	-81	29.3	+2.8	18.14	+2.54	+16					
0.3	-0.3	0.06	-0.21	-78	0.5	-1.0	0.17	-0.46	-73	18.8	+1.8	8.18	-0.05	-1					
0	-0.1	0	-0.06	-100	0	-0.3	0	-0.08	-100	10.9	+1.7	9.47	+2.78	+42					
0	-0.1	0	-0.08	-100	0	-0.2	0	-0.1	-100	23.0	+5.6	15.96	+3.48	+28					
0.7	+0.4	0.51	+0.34	+200	0.2	-0.3	0.11	-0.10	-48	47.5	+18.5	38.91	+12.76	+49					
0.1	-0.2	0.06	-0.14	-70	0.4	+0.3	0.22	+0.18	+450	48.8	+6.4	42.96	+10.61	+88					
0.9	+0.2	0.46	+0.01	+2	0.6	+0.2	0.21	+0.04	+24	50.5	+8.8	46.47	+11.47	+88					
0.2	-0.4	0.08	-0.26	-76	0.1	-0.5	0.02	-0.24	-92	55.3	+5.4	35.12	-7.32	-17					
0.6	-0.4	0.26	-0.31	-54	1.4	+0.7	0.87	+0.48	+128	64.1	+17.9	45.68	+13.21	+41					
0.9	+0.1	0.38	-0.18	-32	1.0	+0.4	0.37	+0.05	+16	72.1	+15.5	58.60	+12.09	+26					
0.7	0	0.37	-0.03	-7	0.6	0	0.21	-0.08	-28	82.5	+19.1	68.05	+14.33	+27					
1.3	-0.2	0.67	-0.35	-84	1.7	+1.4	1.08	+0.94	+671	102.1	+8.0	181.07	+22.90	+21					
2.1	+0.5	1.19	+0.18	+18	1.7	+1.2	0.90	+0.62	+221	58.8	+11.0	41.96	+11.27	+87					
1.5	+0.2	0.63	-0.14	-18	2.4	+1.8	1.25	+0.89	+247	70.1	+20.2	46.16	+11.86	+85					
2.7	+0.8	2.06	+1.00	+94	2.6	+2.2	1.82	+1.60	+727	59.1	+9.7	40.57	+9.90	+82					
1.2	-2.6	0.58	-1.84	-76	2.7	+1.9	1.74	+1.29	+287	68.9	+13.5	48.78	+12.60	+85					
7.1	-2.1	5.63	-1.51	-21	2.4	-0.2	1.46	-0.32	-18	188.6	+26.9	142.23	+42.08	+42					
6.8	-2.1	4.89	-2.59	-35	3.1	-0.9	4.86	+1.48	+44	47.0	-1.2	35.48	-0.16	0					
1.9	-1.4	1.64	-0.52	-24	2.5	+1.8	1.56	+1.15	+280	42.7	+2.8	27.70	+2.90	+12					
3.1	-0.6	2.64	-1.04	-28	2.0	+1.1	1.90	+1.05	+124	59.0	+4.2	46.81	+5.55	+18					

TABLE XII.—AVERAGE OVER THE 15 CHIEF POLITICAL DIVISIONS OF THE ACTUAL RAINFALL WITH ITS DEPARTURE FROM NORMAL FOR THE FOUR SEASONS OF THE YEAR, AND FOR THE WHOLE YEAR, 1933.

DIVISION.	JANUARY AND FEBRUARY.				MARCH TO MAY.				JUNE TO SEPTEMBER.				OCTOBER TO DECEMBER.				WHOLE YEAR.		
	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	
Burma	0.08	-0.25	-76	13.00	+2.47	+23	61.34	-0.93	-1	7.22	-1.96	-21	81.64	-0.67	-1				
Assam	1.56	-0.65	-29	19.57	-5.42	-22	64.08	-2.24	-3	5.33	-1.65	-24	90.54	-9.96	-10				
Bengal	1.75	+0.46	+36	13.08	+0.44	+3	62.11	+7.44	+14	4.62	-1.42	-24	81.56	+6.92	+9				
Bihar and Orissa	2.90	+1.48	+104	5.98	+1.99	+50	47.89	+5.35	+13	4.01	+0.20	+5	60.78	+9.02	+17				
United Provinces	1.15	-0.36	-24	2.88	+1.49	+107	33.92	+0.44	+1	3.56	+1.76	+98	41.51	+3.33	+9				
Punjab	0.87	-1.04	-54	2.56	+0.62	+32	24.79	+9.50	+62	0.40	-0.42	-51	28.62	+8.66	+43				
North-West Frontier Province	1.64	-0.83	-34	4.14	-0.06	-1	12.13	+4.35	+56	0.23	-0.92	-80	18.14	+2.54	+16				
Sind	0.14	-0.38	-73	0.48	-0.01	-2	8.85	+3.36	+61	0	-0.19	-100	9.47	+2.78	+42				
Rajputana	0.26	-0.31	-54	1.95	+1.09	+127	27.77	+8.60	+45	0.91	+0.16	+21	30.89	+9.54	+45				
Bombay	0.11	-0.09	-45	3.92	+2.36	+151	48.65	+9.07	+23	5.24	+1.75	+50	57.92	+13.09	+29				
Central India	0.41	-0.44	-52	2.14	+1.28	+149	39.54	+6.10	+18	1.73	+0.15	+9	43.82	+7.09	+19				
Central Provinces	2.33	+1.02	+78	4.54	+2.88	+173	49.72	+9.20	+23	3.02	+0.26	+9	59.61	+13.36	+29				
Hyderabad	0.85	+0.43	+102	4.10	+2.19	+115	31.72	+5.32	+20	6.77	+2.95	+77	43.44	+10.89	+33				
Mysore	0.11	-0.14	-56	8.97	+3.62	+68	27.68	+5.32	+24	11.97	+3.80	+47	48.73	+12.60	+35				
Madras	0.30	-0.88	-75	12.79	+6.79	+113	34.22	+5.29	+18	16.58	+0.77	+5	63.89	+11.97	+23				
Mean of India	0.90	-0.11	-11	6.98	+1.94	+38	41.73	+5.10	+14	5.17	+0.14	+8	54.78	+7.07	+15				

TABLE XIV.—AVERAGE OVER THE 33 SUB-DIVISIONS OF THE ACTUAL RAINFALL WITH ITS DEPARTURE FROM NORMAL FOR THE FOUR SEASONS OF THE YEAR AND FOR THE WHOLE YEAR, 1933.

SUB-DIVISION.	JANUARY AND FEBRUARY.			MARCH TO MAY.			JUNE TO SEPTEMBER.			OCTOBER TO DECEMBER.			WHOLE YEAR.		
	Actual	Departure from normal.		Actual	Departure from normal.		Actual	Departure from normal.		Actual	Departure from normal.		Actual	Departure from normal.	
			Percentage departure from norm.			Actual			Actual			Actual			Actual
1. Bay Islands .	0.32	-1.37	-81	11.13	-3.18	-22	80.92	+21.53	+36	19.77	-1.23	-6	112.14	+15.75	+16
2. Lower Burma .	0.08	-0.25	-76	14.46	+0.47	+3	97.36	-1.97	-2	8.94	-1.91	-18	120.84	-3.66	-3
3. Upper Burma .	0.07	-0.26	-79	11.76	+4.14	+54	31.07	-0.07	0	5.77	-2.01	-26	48.67	+1.80	+4
4. Assam . .	1.56	-0.65	-29	19.57	-5.42	-22	64.08	-2.24	-3	5.33	-1.65	-24	90.54	-9.96	-10
5. Bengal . .	1.75	+0.46	+36	13.08	+0.44	+3	62.11	+7.44	+14	4.62	-1.42	-24	81.56	+6.92	+9
6. Orissa . .	3.43	+1.82	+113	7.20	+1.47	+26	58.11	+13.35	+30	7.21	+0.88	+14	75.95	+17.52	+30
7. Chota Nagpur .	4.92	+3.03	+160	4.91	+1.26	+85	46.51	+3.00	+7	3.18	-0.27	-8	59.52	+7.02	+13
8. Bihar . .	1.67	+0.55	+49	5.91	+2.56	+76	43.63	+2.55	+6	2.83	+0.07	+3	54.04	+5.78	+12
9. United Provinces, East.	1.17	-0.01	-1	3.06	+1.87	+157	27.56	-7.06	-20	3.45	+1.16	+51	35.24	-4.04	-10
10. United Provinces, West.	1.13	-0.66	-37	2.72	+1.16	+74	39.49	+7.00	+22	3.65	+2.27	+164	46.99	+9.77	+26
11. Punjab, East and North.	1.10	-1.11	-50	2.97	+0.90	+43	29.31	+11.29	+63	0.52	-0.43	-45	33.90	+10.65	+46
12. Punjab, Southwest	0.22	-0.81	-79	1.36	-0.22	-14	11.07	+4.10	+59	0.04	-0.36	-90	12.69	+2.71	+27
13. Kashmir .	6.46	-0.70	-10	10.57	+0.51	+5	23.79	+2.92	+14	1.55	-1.92	-55	42.37	+0.81	+2
14. North-West Frontier Province.	1.64	-0.83	-34	4.14	-0.06	-1	12.13	+4.35	+56	0.23	-0.92	-80	18.14	+2.54	+16
15. Baluchistan .	2.04	-0.37	-15	2.49	+0.24	+11	3.37	+0.90	+36	0.23	-0.82	-78	8.13	-0.05	-1
16. Sind . .	0.14	-0.38	-73	0.48	-0.01	-2	8.85	+3.36	+61	0	-0.19	-100	9.47	+2.78	+42
17. Rajputana, West .	0.32	-0.10	-24	1.42	+0.65	+84	14.19	+3.40	+32	0.03	-0.47	-94	15.96	+3.48	+28
18. Do. East .	0.23	-0.42	-65	2.23	+1.31	+142	35.06	+11.39	+48	1.39	+0.48	+53	38.91	+12.76	+49
19. Gujarat . .	0.20	+0.01	+5	2.35	+1.92	+447	39.63	+9.05	+30	0.78	-0.37	-32	42.96	+10.61	+33
20. Central India, West	0.16	-0.53	-77	1.80	+1.00	+125	42.93	+10.86	+34	1.58	+0.14	+0	46.47	+11.47	+33
21. Central India, East.	1.20	-0.18	-13	3.26	+2.16	+196	28.43	-9.50	-25	2.23	+0.20	+10	35.12	-7.32	-17
22. Berar . .	0.51	-0.24	-32	2.82	+1.71	+154	38.50	+10.48	+37	3.80	+1.26	+50	45.63	+13.21	+41
23. Central Provinces, West.	1.59	+0.25	+19	5.10	+3.68	+259	48.73	+7.68	+19	3.18	+0.48	+18	58.60	+12.08	+26
24. Central Provinces, East.	3.84	+2.27	+145	5.08	+2.93	+136	56.67	+9.62	+20	2.46	-0.49	-17	68.05	+14.33	+27
25. Konkan . .	0.01	-0.14	-93	6.01	+3.98	+196	116.37	+15.84	+16	8.68	+3.22	+59	131.07	+22.90	+21
26. Bombay, Deccan .	0.08	-0.16	-67	4.18	+2.07	+98	30.76	+6.72	+28	6.94	+2.64	+61	41.96	+11.27	+37
27. Hyderabad, North	0.97	+0.56	+187	4.24	+2.63	+163	36.50	+7.66	+27	4.44	+1.01	+29	46.15	+11.86	+35
28. Do. South	0.71	+0.20	+69	3.93	+1.68	+75	26.38	+2.68	+11	9.55	+5.25	+122	40.57	+9.90	+32
29. Mysore . .	0.11	-0.14	-56	8.97	+3.62	+68	27.68	+5.32	+24	11.97	+3.80	+47	48.73	+12.60	+35
30. Malabar . .	0.48	-0.95	-66	34.60	+22.17	+178	86.00	+19.77	+30	21.15	+1.09	+5	142.23	+42.08	+42
31. Madras, Southeast	0.28	-1.18	-81	6.61	+2.27	+52	11.61	-0.26	-2	16.98	-0.99	-6	35.48	-0.18	0
32. Do. Deccan .	0.13	-0.21	-62	3.87	+1.39	+56	15.50	+0.26	+2	8.20	+1.46	+22	27.70	+2.90	+12
33. Do. Coast, North.	0.22	-0.56	-72	4.51	+0.94	+26	27.57	+1.93	+8	14.51	+3.24	+29	46.81	+5.55	+18

TABLE XV.—AVERAGE OVER THE 33 SUB-DIVISIONS OF ACTUAL NUMBER OF RAINY DAYS WITH THEIR DEPARTURES FROM NORMAL FOR THE FOUR SEASONS OF THE YEAR AND FOR THE WHOLE YEAR, 1933.

SUB-DIVISION.	JANUARY AND FEBRUARY.		MARCH TO MAY.		JUNE TO SEPTEMBER.		OCTOBER TO DECEMBER.		WHOLE YEAR.	
	Actual.	Departure from Normal.	Actual.	Departure from Normal.	Actual.	Departure from Normal.	Actual.	Departure from Normal.	Actual.	Departure from Normal.
1. Bay Islands	1·5	-0·5	17·5	+1·0	81·0	+8·5	26·5	-0·9	126·5	+8·1
2. Lower Burma	9·2	-0·4	13·7	+1·5	86·5	+2·1	13·1	-1·4	113·5	-5·4
3. Upper Burma	9·2	-0·7	14·7	+3·2	44·3	+0·7	8·2	-2·9	67·4	+0·3
4. Assam	4·4	-0·6	26·0	+6·3	63·5	-5·1	7·8	-1·2	101·7	-13·2
5. Bengal	3·5	+1·2	15·5	+0·3	63·4	+3·8	5·7	-0·9	88·1	+3·8
6. Orissa	5·0	+2·4	11·4	+2·1	58·6	+4·5	9·0	+1·7	84·0	+10·7
7. Chota Nagpur	8·2	+4·7	10·3	+3·3	10·3	+8·0	5·1	+0·3	83·9	+16·3
8. Bihar	3·7	+1·3	8·4	+3·1	48·8	+4·5	3·6	+0·3	64·5	+9·2
9. United Provinces East	2·8	-0·1	6·3	+3·7	38·4	+0·1	2·9	+0·4	50·4	+1·3
10. Do. Do. West	2·9	-0·6	6·3	+2·7	42·7	+0·1	3·5	+1·6	55·4	+12·8
11. Punjab East and North	2·5	-1·7	6·9	+2·4	30·1	+10·5	1·2	-0·6	49·7	+10·6
12. Do. Southwest	0·8	-1·7	4·3	+0·4	15·1	+6·1	0·2	-0·7	20·4	+4·1
13. Kashmir	0·2	+0·1	15·9	0	30·2	+5·8	3·3	-2·4	59·6	+3·5
14. North West Frontier Province	4·2	+0·8	9·5	+0·9	14·8	+3·7	0·8	-1·5	29·3	+2·3
15. Baluchistan	5·1	0	6·4	+1·1	6·5	+2·3	0·8	-1·6	18·8	+1·8
16. Sind	0·5	-0·8	1·8	+0·7	8·6	+2·3	0	-0·5	10·9	+1·7
17. Rajputana West	4·9	0	7·4	+1·6	18·4	+4·5	0·2	-0·5	23·0	+5·6
18. Do. East	0·9	-9·7	5·8	+3·5	38·8	+10·2	2·0	+0·5	47·5	+13·5
19. Gujarat	9·5	+0·1	9·5	+2·6	38·3	+3·8	1·5	-0·1	43·8	+6·4
20. Central India West	9·8	-0·7	4·7	+2·9	42·2	+6·0	2·8	+0·6	50·5	+8·8
21. Do. Do. East	2·7	-0·2	10·4	+3·8	40·3	+1·2	2·9	0	55·3	+5·4
22. Berar	1·4	0	7·3	+4·8	45·0	+10·7	6·4	+2·4	41·1	+17·0
23. Central Provinces, West	3·3	+0·9	11·9	+7·7	52·6	+5·5	5·2	+1·4	72·1	+15·5
24. Do. Do. East	6·8	+4·1	11·2	+6·5	60·2	+8·4	4·3	+0·1	82·5	+13·5
25. Konkan	0	-0·3	7·4	+4·7	81·6	-2·1	13·1	+5·7	102·1	+8·6
26. Bombay, Deccan	0·2	-0·3	7·4	+3·4	40·2	+3·5	11·0	+4·4	58·8	+11·0
27. Hyderabad, North	2·9	+2·1	10·7	+7·2	48·0	+7·6	8·5	+3·3	70·1	+20·2
28. Do. South	1·6	+0·8	7·9	+3·3	38·8	+1·4	10·8	+4·2	59·1	+9·7
29. Mysore	9·3	-0·1	14·5	+5·6	37·6	+3·9	16·5	+4·1	68·9	+13·5
30. Malabar	0·9	-1·2	27·8	+11·0	84·5	+16·9	25·4	+0·2	138·6	+25·9
31. Madras, Southeast	0·6	-1·4	9·0	+2·4	17·7	-0·5	19·7	-1·7	47·0	+1·2
32. Do. Deccan	0·4	-0·1	7·0	+2·5	23·3	+1·9	12·0	+2·3	42·7	+2·8
33. Do. Coast North	6·4	-0·7	6·8	+1·2	37·6	+1·2	14·2	+2·5	59·0	+4·2

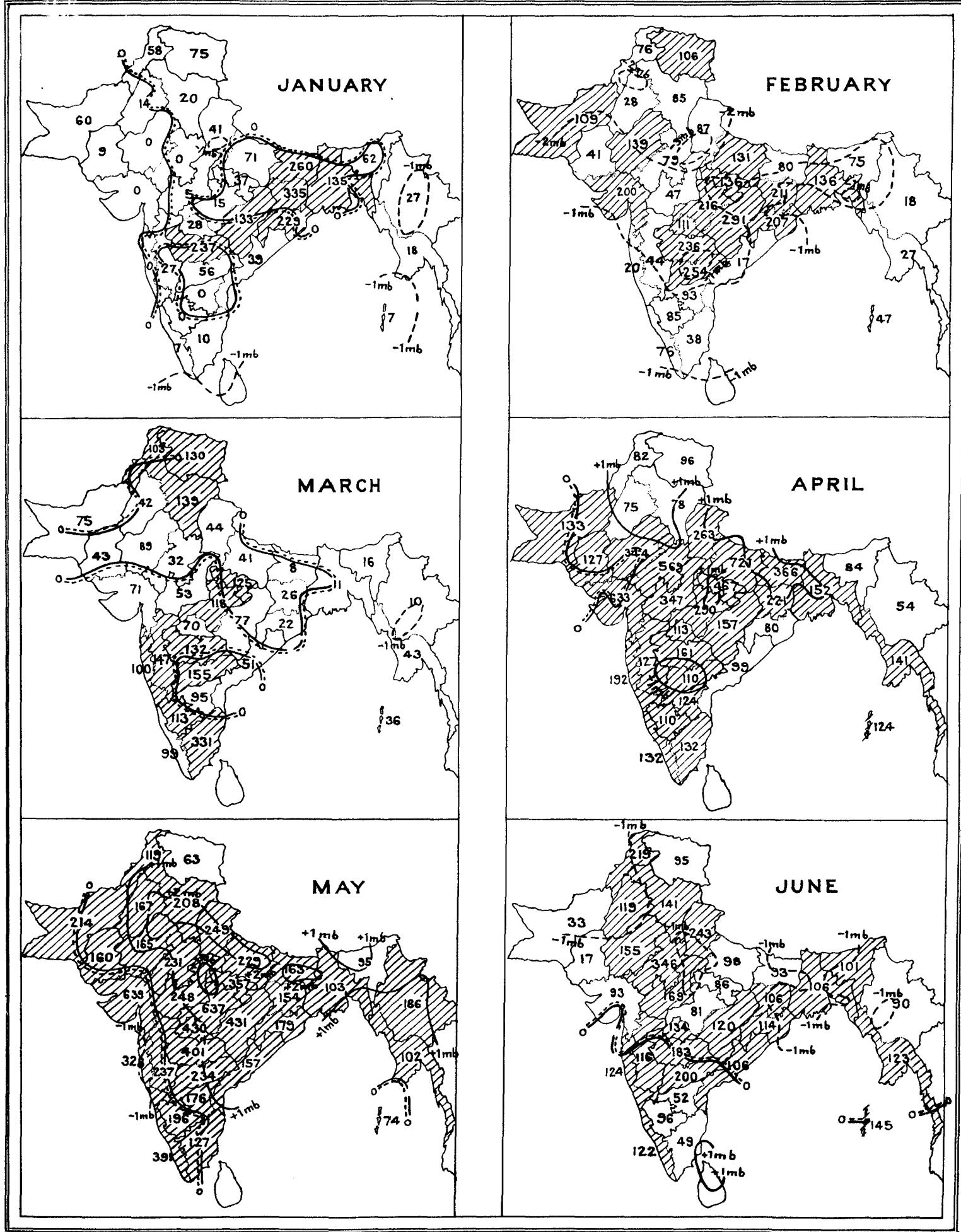
TABLE XVI.—SHOWING RAINFALL OF 10" AND OVER, WITH AMOUNTS IN THE PRECEDING
AND FOLLOWING 24 HOURS, DURING THE YEAR 1933.

Province and District.	Station.	Date.	AMOUNT.			Province and District.	Station.	Date.	AMOUNT.			
			Preced- ing day.	On date in column 3	Succeed- ing day.				Preced- ing day.	On date in column 3	Succeed- ing day.	
1	2	3	4	5	6	1	2	3	4	5	6	
BURMA.			"	"	"	RAJPUTANA.			"	"	"	
Akyab	Akyab	26th May	1*98	14*06	2*49	Kotah	Mangrol	25th June	0*43	15*42	4*31	
Do.	Myohaung	26th May	0	10*66	0*80	Do.	Indargarh	25th June	0*10	13*92	0*90	
Do.	Pauktaw	25th May	0*14	11*15	4*00	Jaisalmer	Bap	8th Aug.	0	10*50	0	
Bhamo	Sinlumkaba	18th Aug.	5*80	11*96	9*36	Bikaner	Palana	7th Aug.	1*40	10*47	3*23	
Sandoway	Sandoway	2nd Aug.	6*75	13*96	3*06	Sirohi	Abu Road	6th Aug.	1*81	10*21	0*54	
ASSAM.						Banswara	Bhopatpura	16th Sept.	1*06	10*70	5*32	
Kamrup	Menoka	6th June	1*00	10*82	4*50	Kusalgadh	Kusalgadh	16th Sep.	1*10	12*50	7*70	
Khasi and Jaintia Hills.	Cherrapunji Police Station.	25th June	5*93	10*05	4*77	CENTRAL INDIA.						
Do.	Cherrapunji Welsh Mission House.	25th June	9*50	19*80	15*90	Gwalior	Shipurji	25th June	2*40	12*50	2*40	
Do.	Do.	26th June	19*80	15*90	3*60	Bhopal	Raesen	10th Aug.	1*35	14*40	3*08	
Kamrup	Barduar	3rd July	2*48	10*53	1*18	S. C. I. States Agency	Dhar	15th Sept.	1*58	10*76	3*10	
Khasi and Jaintia Hills.	Cherrapunji Police Station.	2nd July	3*16	10*99	13*40	Do.	Mandu	15th Sept.	1*85	11*40	0*92	
Do.	Do.	3rd July	10*99	13*40	1*26	CENTRAL PROVINCES.	Kondapar	18th June	0*60	10*50	1*54	
Do.	Cherrapunji Welsh Mission House.	2nd July	9*40	11*56	16*25	Bilaspur	Dharampur	18th July	2*23	14*93	1*60	
Do.	Do.	3rd July	11*56	16*25	1*71	Bhandara	Pangree	10th Aug.	0*70	10*00	1*00	
Sylhet	Sunamganj	19th Aug.	2*30	10*19	1*80	Balaghat	Lanji	10th Aug.	0*88	11*38	0*15	
Khasi and Jaintia Hills.	Cherrapunji Welsh Mission House.	13th Aug.	3*59	12*11	4*63	Amraoti	Chikalda	15th Sept.	2*54	10*85	1*54	
Sylhet	Sylhet	2nd Sept.	3*18	11*08	10*50	BOMBAY.						
Do.	Do.	3rd Sept.	11*98	10*50	0*67	North Kanara	Kunta	2nd July	9*62	10*12	3*78	
BENGAL.						Kolaba	Mangaon	31st July	3*38	11*83	6*25	
Hooghly	Chanditala	23rd June	3*20	10*23	1*25	Satara	Mahabaleshwar (Malcolmpeth).	30th July	5*85	10*30	8*50	
Dinajpur	Thakurgaon	26th June	3*15	19*09	0*30	Do.	Banda	27th July	1*20	11*23	3*38	
Do.	Setalganj	26th June	3*20	13*18	0*40	Baroda State	Dwarka	17th July	0*42	10*78	0*06	
Rangpur	Bogra (Nilphamari)	25th June	5*10	17*62	9*80	Kolaba	Matheran	1st Aug.	7*42	10*03	9*60	
Do.	Saidpur	25th June	7*04	12*93	0*05	Do.	Do.	5th Aug.	8*90	11*05	7*56	
Cooch Behar	Mekligani	26th June	2*35	12*29	1*73	Satara	Mahabaleshwar (Malcolmpeth)	3rd Aug.	9*45	10*15	11*90	
Dacca	Munshiganj	3rd July	2*93	10*09	5*11	Do.	Do.	4th Aug.	10*15	11*90	12*35	
Chittagong	Kutubdia	14th Aug.	5*82	10*96	2*10	Do.	Do.	5th Aug.	11*90	12*95	8*10	
24-Parganas	Sangor Island (Oly.).	17th Oct.	4*76	12*66	0*03	Poona	Lanoli	5th Aug.	6*31	10*72	5*17	
BIHAR AND ORISSA.						Kaira	Mehmadabad	11th Aug.	0	13*74	4*75	
Purnea	Kishanganj	26th June	0*95	14*56	0*57	Do.	Wanghroli Tank	1st Aug.	0*43	10*77	0*64	
Angul	Balandapara	17th June	5*50	11*43	0*42	Panch Mahals	Kalol	11th Aug.	0*09	10*00	1*89	
Muzaffarpur	Katra	11th July	6*40	14*80	0	Do.	Dohad	11th Aug.	0*03	11*20	0*08	
Shahabad	Bhabua	21st Aug.	0*85	10*82	10*50	Gujarat States	Bharantpur	2nd Aug.	5*70	11*30	10*35	
Do.	Do.	22nd Aug.	10*82	10*50	1*31	Do.	Do.	3rd Aug.	11*20	10*35	9*25	
Cuttack	Jagatsingpur	4th Aug.	3*77	12*11	0*40	Baroda State	Dwarka	7th Aug.	0*95	11*90	0	
Do.	Cuttack	4th Aug.	4*66	11*85	0*15	Kathiawar	Veraval	2nd Aug.	0*16	10*05	6*33	
Do.	Salepur	3rd Aug.	3*00	10*90	0	Colaba	Matheran	18th Sept.	2*40	12*30	6*05	
UNITED PROVINCES.						Surat	Waghai	18th Sept.	1*50	16*66	0*70	
Saharanpur	Jarauda	19th Sept.	0	13*00	3*00	MYSORE.	Shimoga	Tirthaballi	11th July	3*65	10*25	3*35
Do.	Sallimpur	19th Sept.	0*43	11*21	0*21	Do.	Do.	11th July	3*65	10*25	3*35	
Muzaffarnagar	Bhainswal	19th Sept.	0*30	12*50	0	Do.	Trivayyar	26th May	0*97	10*20	5*52	
Do.	Kandhla	19th Sept.	0*40	11*00	0	South Kanara	Mulki	1st July	3*65	11*35	5*15	
PUNJAB.						Do.	Udipi	4th July	5*62	10*73	8*67	
Patiala	Barthala	15th Aug.	0*40	10*45	0	Vizagapatam Agency.	Lamuna singhi	18th Oct.	4*00	17*60	1*20	
Rohtak	Rohtak	19th Sept.	3*45	10*06	0	East Godavari Agency.	Polavaram	19th Oct.	2*60	10*20	1*00	
Do.	Jhajjar	19th Sept.	4*00	12*80	0	No.	Chodavaram	19th Oct.	0*95	10*15	5*25	
Do.	Beri	19th Sept.	0	11*00	0	South Arcot	Mannargudi	16th Dec.	2*16	10*44	2*18	
Do.	Sonepat	19th Sept.	3*25	10*15	0	Tanjore	Tranquebar	16th Dec.	1*05	14*90	0	
Karnal	Panipat	19th Sept.	0*73	10*00	0*08							

SUBDIVISIONAL RAINFALL TOTALS (PERCENTAGE OF RESPECTIVE NORMALS)
AND MEAN MONTHLY PRESSURE ANOMALIES (IN MILLIBARS)

1933

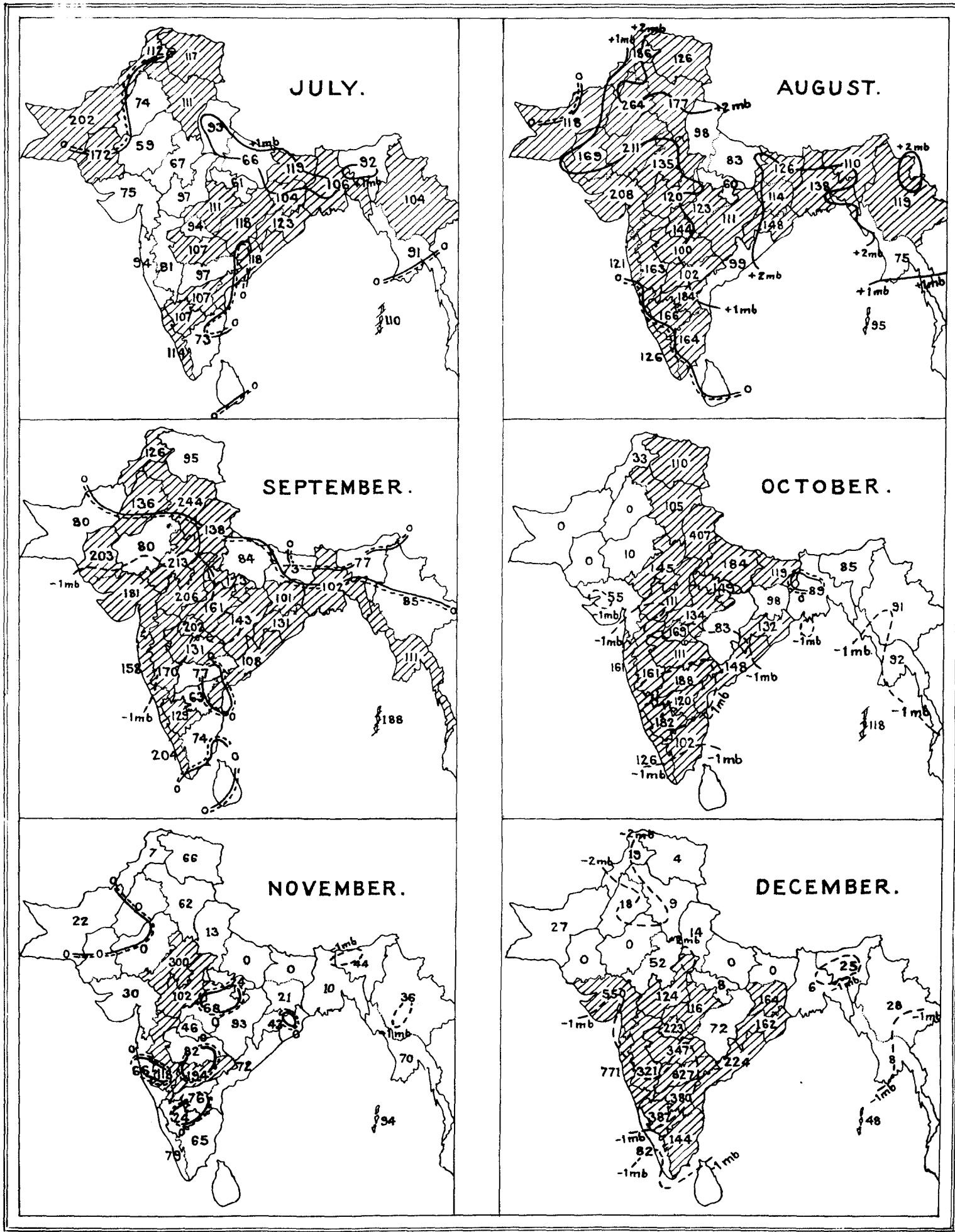
Plate A1



**SUBDIVISIONAL RAINFALL TOTALS (PERCENTAGE OF RESPECTIVE NORMALS)
AND MEAN MONTHLY PRESSURE ANOMALIES (IN MILLIBARS)**

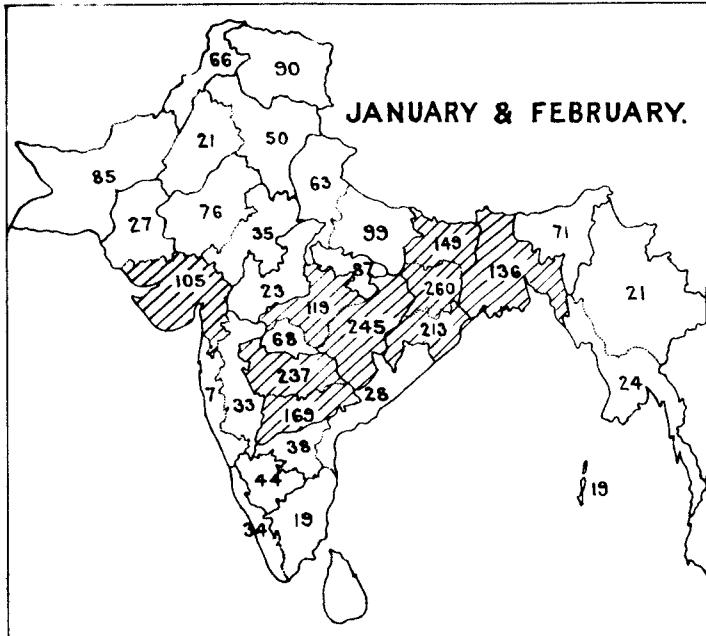
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Plate A2

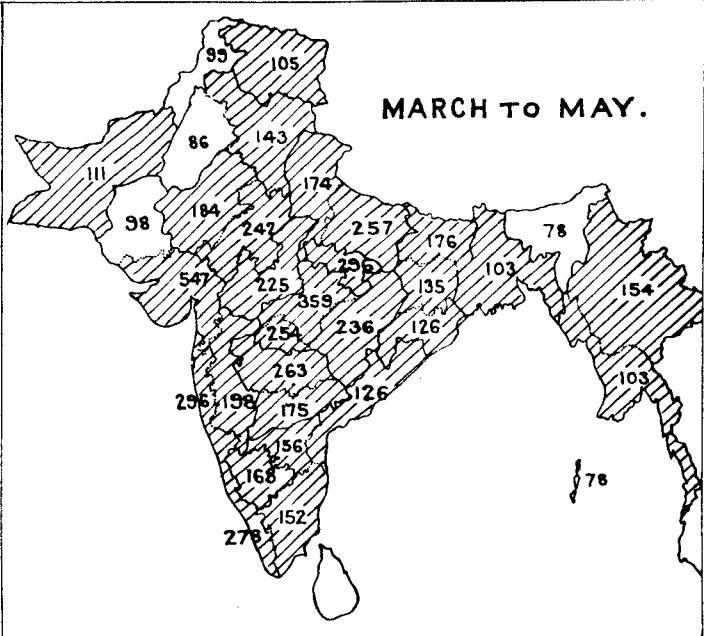


**SUBDIVISIONAL RAINFALL TOTALS (PERCENTAGE OF RESPECTIVE NORMALS)
IN DIFFERENT PERIODS OF THE YEAR 1938**

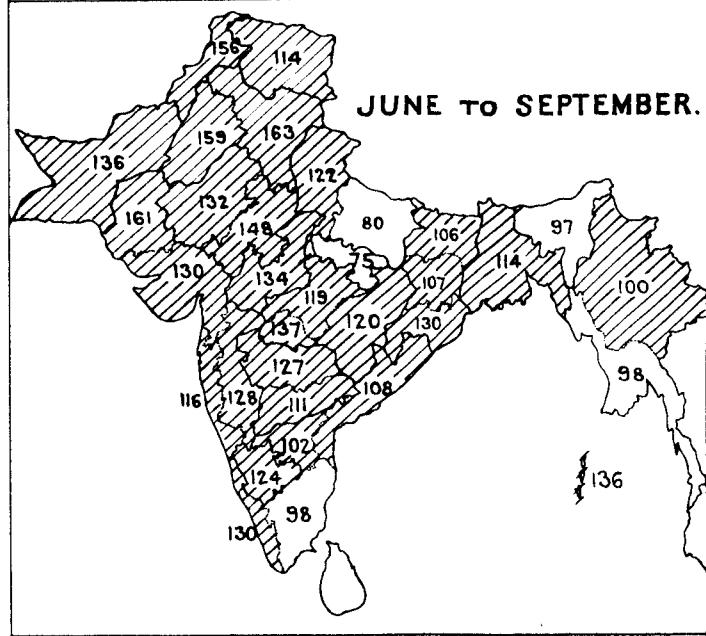
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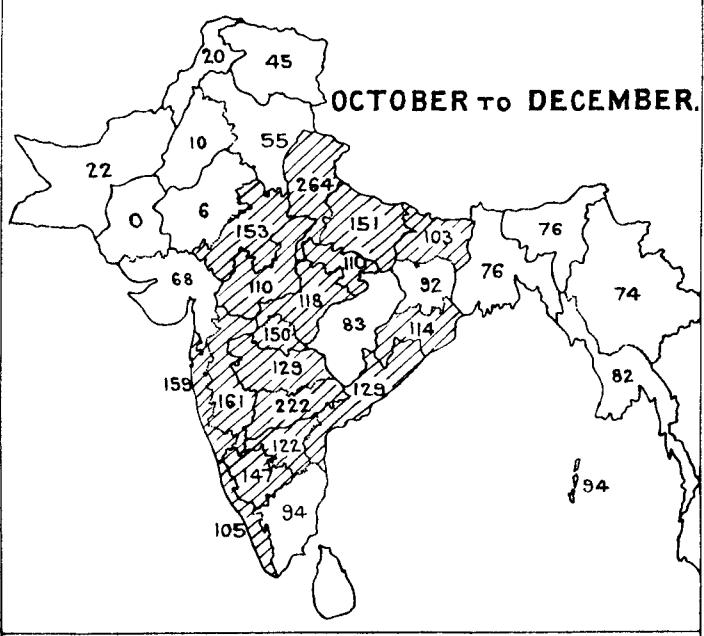
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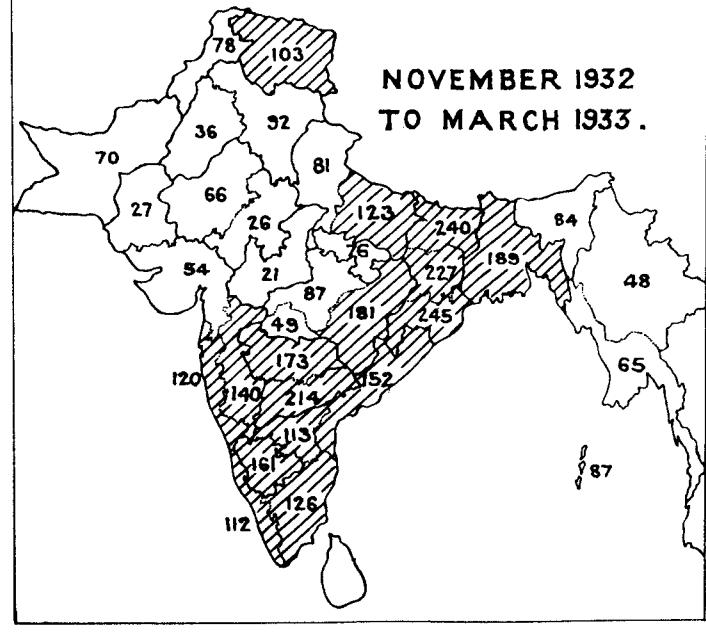
MARCH TO MAY.



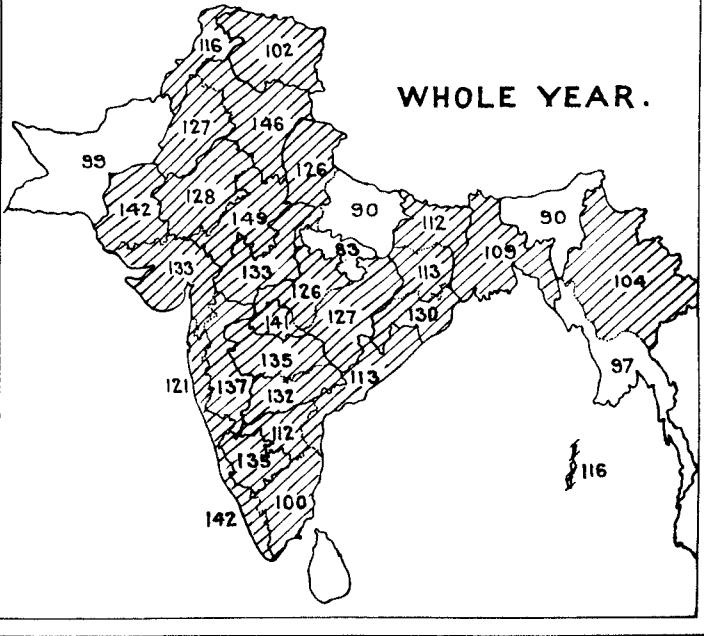
JUNE TO SEPTEMBER.



OCTOBER to DECEMBER.



**NOVEMBER 1932
TO MARCH 1933.**



WHOLE YEAR.